NASA Contractor Report 182296 - Vol-2

Shear Flow Control of Cold and Heated Rectangular Jets by Mechanical Tabs

Vol. II - Tabulated Data

W.H. Brown and K.K. Ahuja

(NASA-CR-182296-Vol-2) SHEAR FLOW CONTROL OF COLD AND HEATED RECTANGULAR JETS BY MECHANICAL TABS. VOLUME 2: TABULATED DATA (Lockheed Aeronautical Systems Co.) 523 p LIMIT DOMESTIC X89-10471 Unclas G3/34 0218092

Prepared for
Lewis Research Center
under Contract NAS3-25409

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SUMMARY

Volume II contains the tabulated test data used in Volume I - Results and Discussion.

1.0 ORGANIZATION OF TABULATED DATA

This volume contains tabulated data for each of the data runs cited in Volume I - Results and Discussion. The data sets are grouped by the purpose for which the data were acquired. The following groups correspond to the data listings in the body of the report:

* Baseline Characteristics
* Mixing Modification, Subsonic, Unheated, $X/D_e = 9$
* Mixing Modification, Supersonic, Unheated, $X/D_e = 9$
* Mixing Modification, Subsonic, Unheated, X/D_e Effect
* Mixing Modification, Subsonic, Heated
* Miscellaneous

Each group section is headed by a chart that lists the data sets that make up the section in a logical order according to Configuration, X/D_e, T_j/T_0, M_j, and traverse plane.

2.0 RECTANGULAR NOZZLE AND TAB DESIGN

A rectangular nozzle having an aspect ratio (AR) of 4 was used in this study. The nozzle exit dimensions of 3.54 inch (89.9 mm) wide , w, and 0.866 inch (22.0 mm) high, h, result from the requirement that the nozzle have the same exit area as a 2-inch (50.8 mm) diameter (D) circular nozzle.

The design of the nozzle is shown in Figure 1, and details of the nozzle exit and tab designs are shown in Figure 2.

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NOTE: ① NOZZLE TO BE FABRICATED FROM 4.0 INCH SCH 40 SS PIPE WITH 0.25 SS PLATE SIDES WELDED ON TO MACHINED PIPE.
② TOTAL LENGTH NOT CRITICAL IF HOLDING FIXT IN MACHINE IS A PROBLEM.

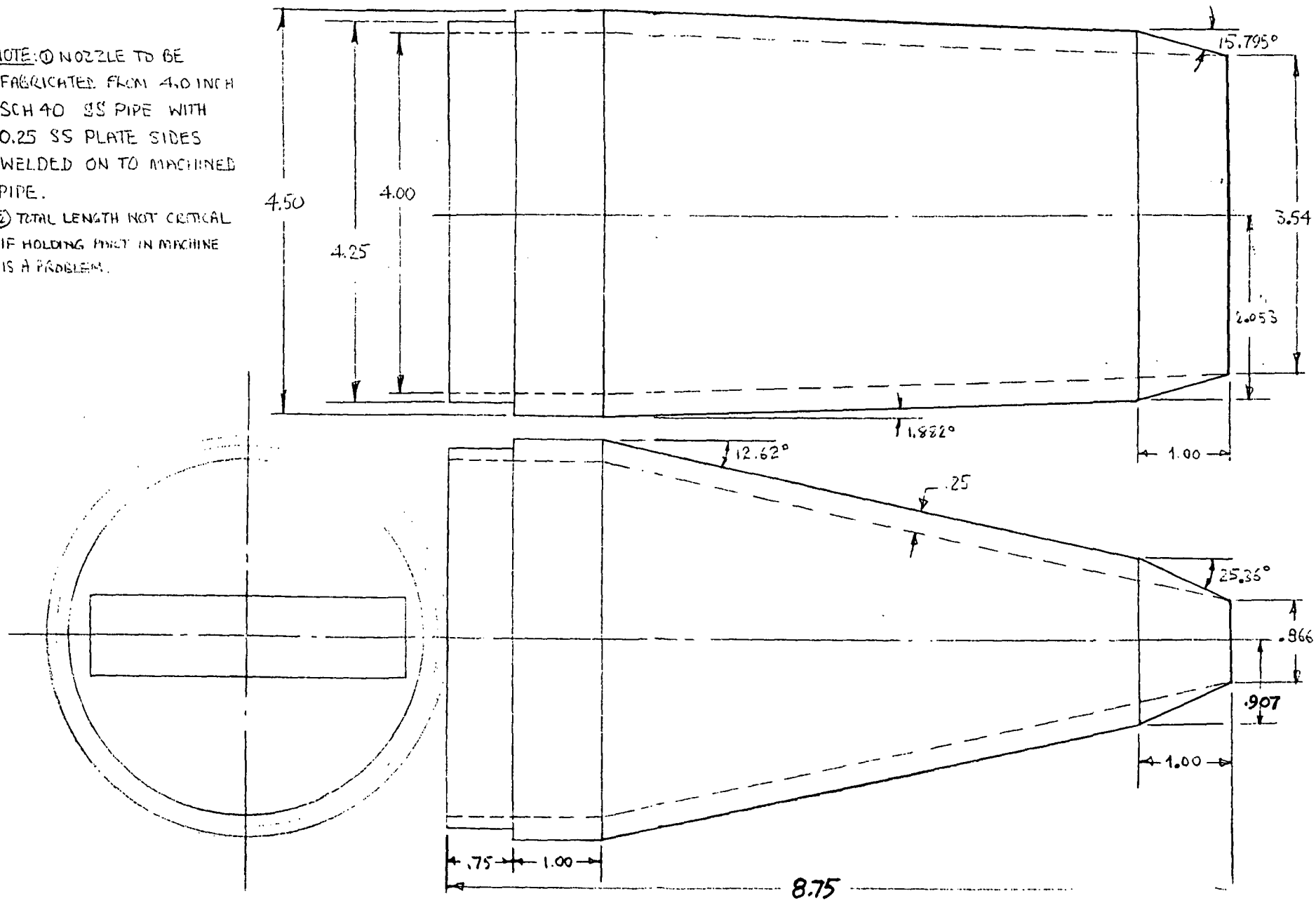
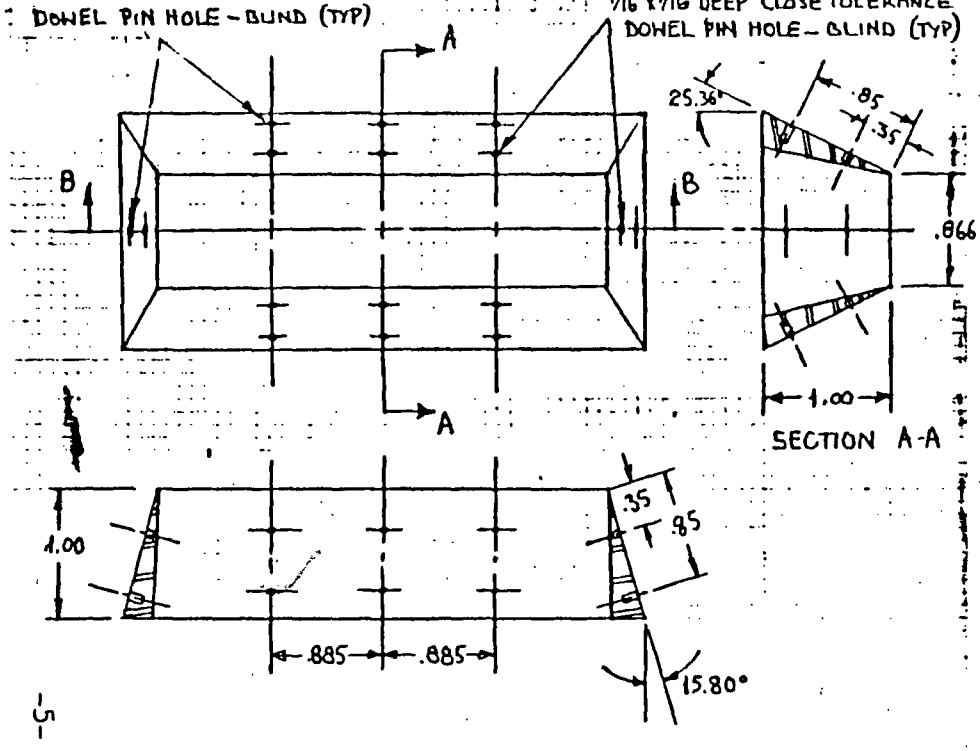
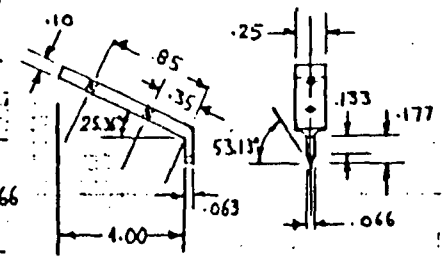


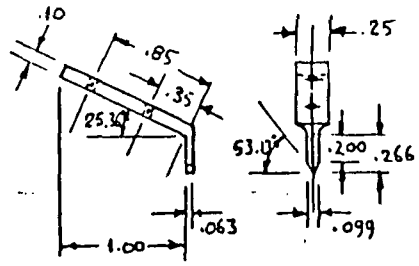
Figure 1 Nozzle Design



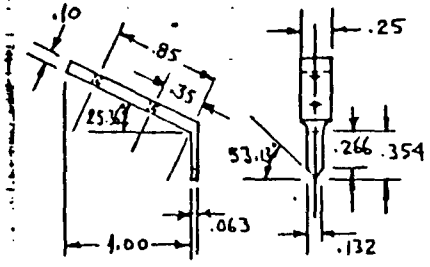
1 NOZZLE EXIT DETAILS - TAB ATTACHMENT



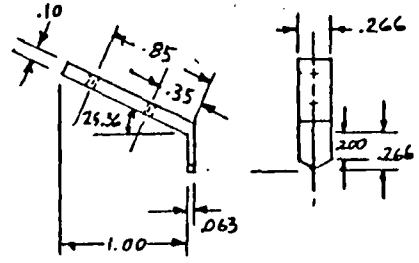
3 TAB #1 - 4 REQ'D



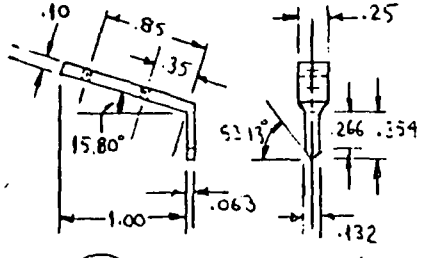
4 TAB #2 - 4 REQ'D



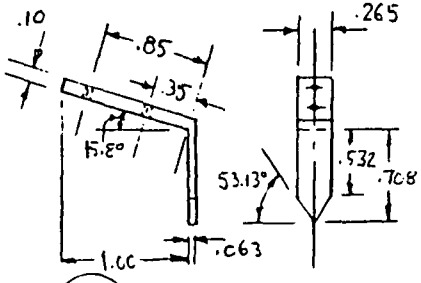
5 TAB #3 - 4 REQ'D



2 TAB #6 - 2 REQ'D



6 TAB #4 - 2 REQ'D



7 TAB #5 - 2 REQ'D

TAB DETAILS

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Figure 2 Nozzle Exit and Tab Design Details

3.0 TAB CONFIGURATIONS AND SIZES

Various tab configurations that were tested in this program are shown in Figure 3, and the exact tab sizes for each configuration are shown in Figure 4.

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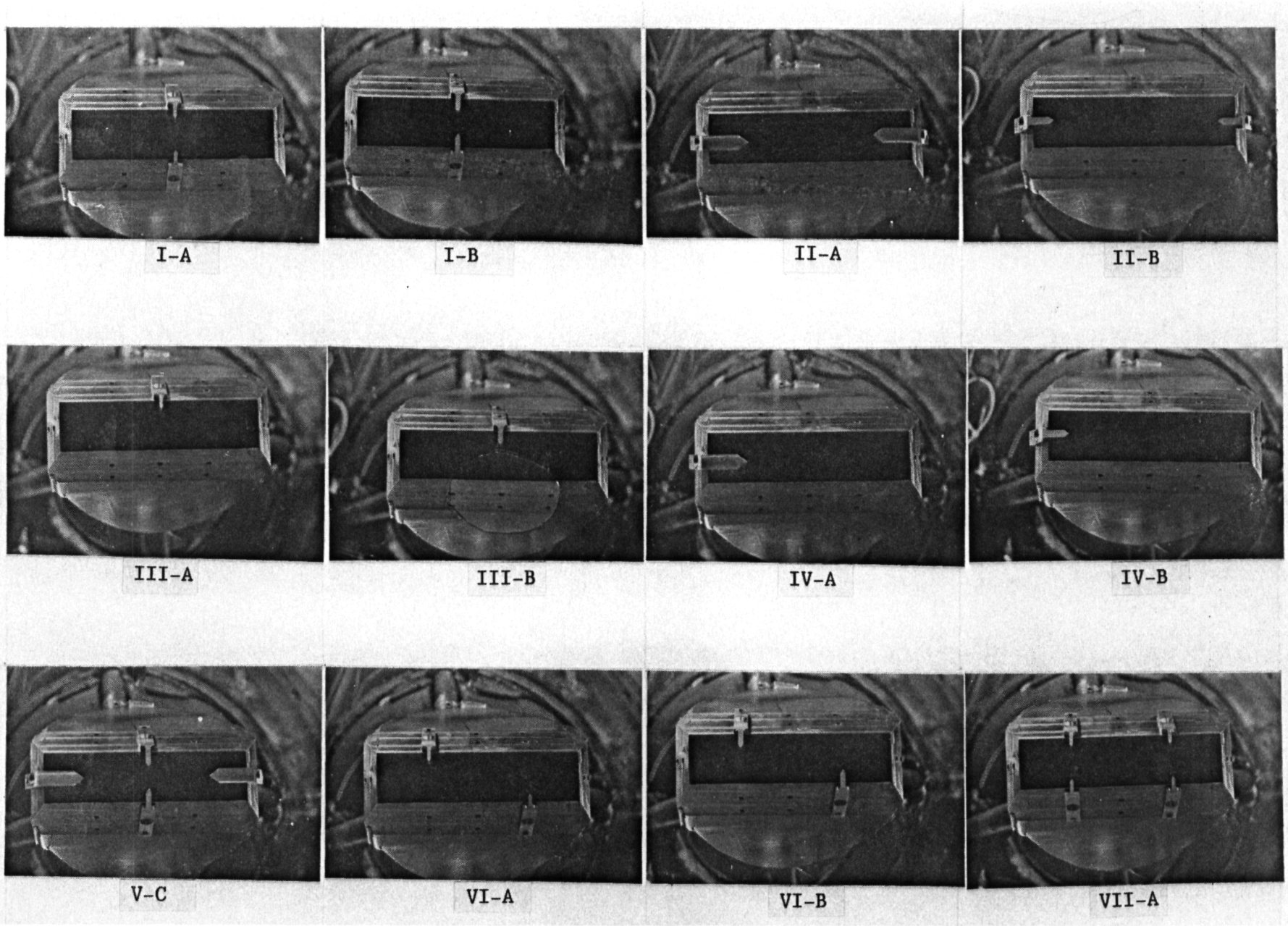
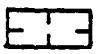


Figure 3 Tab Configurations

CONFIGURATION		MAJOR AXIS		MINOR AXIS	
		w_p	d_p	w_p	d_p
I-A		- - -	- - -	0.066	0.177
I-B		- - -	- - -	0.099	0.265
I-C		- - -	- - -	0.265	0.265
II-A		0.265	0.708	- - -	- - -
II-B		0.133	0.354	- - -	- - -
III-A		- - -	- - -	0.066	0.177
III-B		- - -	- - -	0.132	0.354
IV-A		0.265	0.708	- - -	- - -
IV-B		0.133	0.354	- - -	- - -
V-C		0.265	0.708	0.099	0.265
VI-A		- - -	- - -	0.066	0.177
VI-B		- - -	- - -	0.099	0.265
VII-A		- - -	- - -	0.066	0.177
VII-B		- - -	- - -	0.099	0.265

Dimensions in inches.

Figure 4 Tab Sizes

4.0 NOMENCLATURE, COORDINATE SYSTEM, AND TRAVERSE PATHS

This section presents the coordinate system and the traverse paths used in Figures 5 and 6, respectively.

4.1 Nomenclature

The terminology and symbols used in this report are given in Figures 5, 6, and 7.

4.2 Coordinate System and Traverse Paths

The orthogonal coordinate system has its origin at the center of the nozzle exit plane. The X-coordinate is positive in the downstream direction, the Y-coordinate is positive to the left of the jet axis looking downstream, and the Z-coordinate is positive upwards as shown in Figure 5.

Horizontal traverses were made through the axis of the jet and parallel to the major axis of the rectangular nozzle. Vertical traverses were made similarly but referenced to the minor axis of the nozzle. Diagonal traverses were made in the horizontal direction but with the nozzle rotated clockwise 14 degrees looking downstream for the -14 degree case and counterclockwise for the +14 degree case. These traverses are shown in Figure 6.

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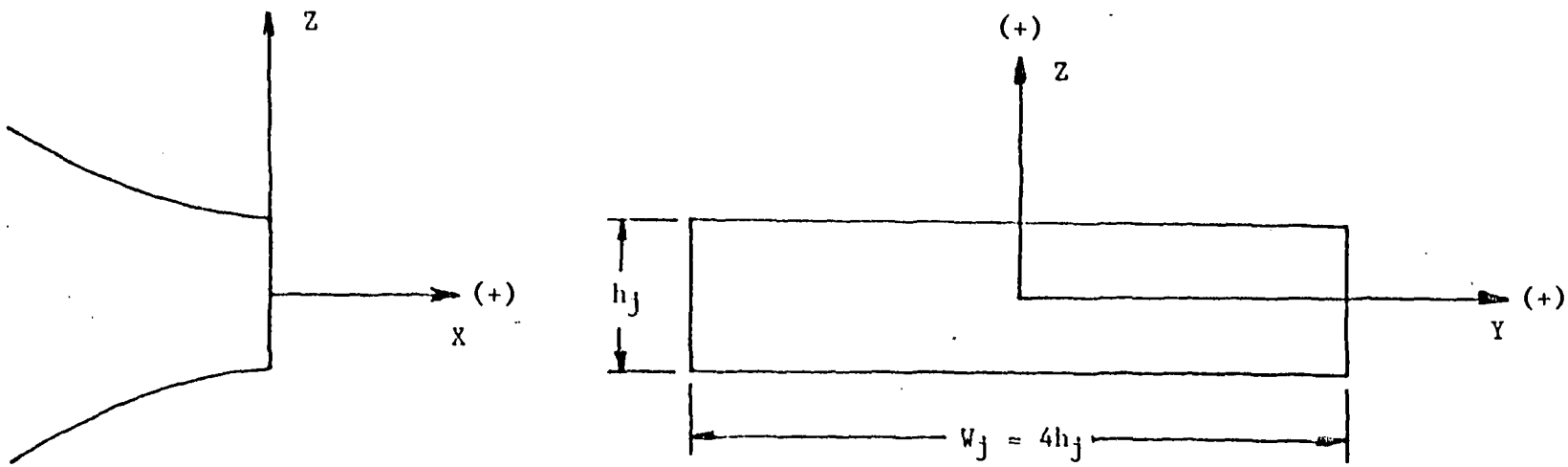

Figure 5 Coordinate System

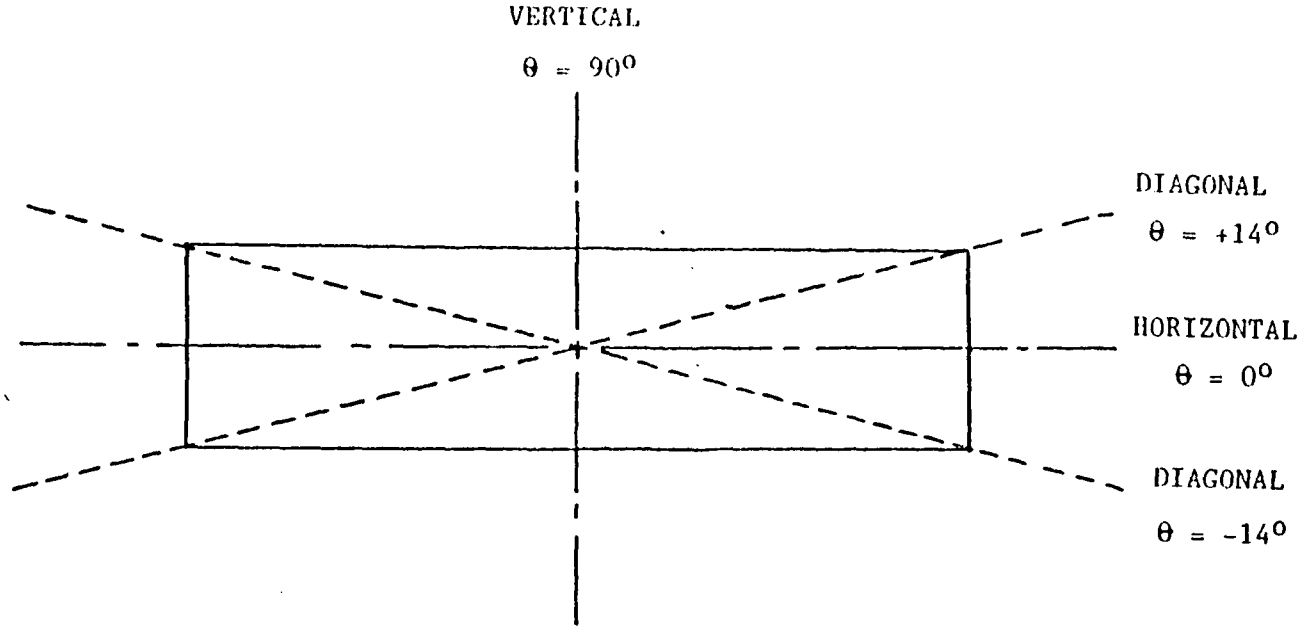

Figure 6 Traverse Paths

5.0 Tabulation Format

A typical data set is annotated in Figure 7 as a guide to the data contained therein.

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File : TAB220T..** Name of the data file ** 7-DEC-88..** Date reduced **
7-DEC-88

Reduced experimental data file

DIAGONAL PROFILE.....** Title **

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config II(a), -14 deg
....** Comments by the Test Engineer **

C1 : X/D = 9....** X-coordinate **
C2 : DIAGONAL...** Y-coordinate **
C3 : ZERO.....** Z-coordinate **
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
~~P3 : Dif. btw. prb. tot. & stat. press.~~
..** Identification of column headings **
** (p3 is not used) **
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
~~P3 ... P305D/1 - 20 psi~~

Mean absolute ambient press. : 98.036 kPa

Mean gauged plenum pressure : 124.604 kPa
RMS gauged plenum pressure : 0.663 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	121.165	0.090	0.012	291.6	282.9	290.8	290.7
3	457.20	-105.00	0.00	124.015	0.040	0.012	291.5	282.9	290.9	290.9
4	457.20	-100.00	0.00	124.302	0.018	0.013	291.6	282.9	291.0	291.0
5	457.20	-95.00	0.00	123.669	0.013	0.013	291.4	283.0	291.0	291.0
6	457.20	-90.00	0.00	123.179	0.012	0.012	291.6	283.0	291.1	291.1
7	457.20	-85.00	0.00	124.877	0.011	0.013	291.6	283.0	291.1	291.1
8	457.20	-80.00	0.00	124.729	0.009	0.012	291.7	283.0	291.1	291.1
9	457.20	-75.00	0.00	124.662	0.007	0.013	291.6	283.0	291.1	291.1
10	457.20	-70.00	0.00	124.600	0.011	0.013	291.7	283.0	291.1	291.1
11	457.20	-65.00	0.00	124.517	0.012	0.012	291.6	283.1	291.1	291.1
12	457.20	-60.00	0.00	124.554	0.195	0.012	291.6	283.0	291.1	290.9
13	457.20	-55.00	0.00	124.557	0.523	0.012	291.5	283.0	291.1	290.7
14	457.20	-50.00	0.00	124.695	1.359	0.012	291.5	283.1	291.1	290.0
15	457.20	-45.00	0.00	124.784	2.409	0.013	291.5	283.0	291.0	289.0

Figure 7 Annotated Data Set

16	457.20	-40.00	0.00	124.790	4.201	0.012	291.5	283.0	291.0	287.5
17	457.20	-35.00	0.00	124.833	6.877	0.012	292.0	283.0	291.0	285.4
18	457.20	-30.00	0.00	125.039	10.333	0.011	292.4	283.0	291.2	283.0
19	457.20	-25.00	0.00	125.221	15.833	0.012	292.3	283.0	291.2	279.0
20	457.20	-20.00	0.00	125.289	22.140	0.012	292.2	283.0	291.2	274.7
21	457.20	-15.00	0.00	125.364	30.735	0.012	292.4	283.0	291.2	269.3
22	457.20	-10.00	0.00	125.251	39.851	0.012	293.1	283.0	291.2	264.1
23	457.20	-5.00	0.00	125.155	46.772	0.012	292.7	282.9	291.1	260.3
24	457.20	0.00	0.00	125.033	49.179	0.013	292.0	283.0	291.0	259.0
25	457.20	5.00	0.00	124.905	45.045	0.012	291.7	282.9	290.8	261.0
26	457.20	10.00	0.00	124.846	36.650	0.012	291.4	282.9	290.5	265.2
27	457.20	15.00	0.00	124.811	28.134	0.012	291.4	282.9	290.4	270.2
28	457.20	20.00	0.00	124.760	19.168	0.012	291.5	282.9	290.3	275.8
29	457.20	25.00	0.00	124.816	12.498	0.012	291.5	282.9	290.3	280.5
30	457.20	30.00	0.00	124.843	7.778	0.012	291.4	282.9	290.2	283.9
31	457.20	35.00	0.00	124.945	4.575	0.012	291.2	282.9	290.0	286.2
32	457.20	40.00	0.00	124.854	2.793	0.012	291.2	283.0	290.0	287.7
33	457.20	45.00	0.00	124.580	1.281	0.012	291.3	282.9	290.0	288.9
34	457.20	50.00	0.00	124.692	0.573	0.012	291.2	282.9	290.0	289.5
35	457.20	55.00	0.00	124.776	0.207	0.012	291.2	282.9	289.9	289.7
36	457.20	60.00	0.00	124.767	0.049	0.012	291.3	282.9	290.0	290.0
37	457.20	65.00	0.00	124.722	0.008	0.012	291.2	282.9	290.1	290.1
38	457.20	70.00	0.00	124.616	0.007	0.012	291.2	282.8	290.2	290.2
39	457.20	75.00	0.00	124.576	0.007	0.012	291.4	282.9	290.3	290.3
40	457.20	80.00	0.00	124.498	0.008	0.012	291.6	282.9	290.5	290.5
41	457.20	85.00	0.00	124.456	0.008	0.013	291.5	282.8	290.5	290.5
42	457.20	90.00	0.00	124.469	0.009	0.013	291.4	282.8	290.5	290.5
43	457.20	95.00	0.00	124.462	0.009	0.013	291.5	282.8	290.6	290.6
44	457.20	100.00	0.00	124.526	0.009	0.015	291.5	282.9	290.7	290.7
45	457.20	105.00	0.00	124.601	0.010	0.015	291.5	282.8	290.7	290.7
46	457.20	110.00	0.00	124.681	0.010	0.013	291.5	282.8	290.7	290.7

Figure 7 (continued) Annotated Data Set

6.0 TABULATIONS

Each group of tabulations is headed by a chart that identifies the test conditions, traverse paths, and corresponding run numbers for that group. These charts are as follows:

Figure 8. Baseline Test Conditions and Run Numbers

Figure 9. Mixing Modification Test Conditions and Run Numbers - $M_j = 0.8$

Figure 10. Mixing Modification Test Conditions and Run Numbers - $M_j = 1.15$

Figure 11. Effect of Axial Distance on Mixing Modification

Figure 12. Mixing Modification for Heated Subsonic Jets

Figure 13. Miscellaneous

Each tabulation is identified by the run number which is shown after "FILE:" in the upper left corner of the first page of the tabulation.

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CONFIGURATION	X/D_E	T_j/T_o	M_j	HORIZONTAL	VERTICAL	DIAGONAL -14°	DIAGONAL +14°
0 - 0	15	1	0.8	TAB282T	TAB281T	TAB287T	- - - -
(BASELINE)	13	1	0.8	TAB302T	TAB293T	TAB145T	- - - -
	11	1	0.8	TAB134T	TAB133T	TAB143T	- - - -
	9	1	0.8	TAB147T	TAB146T	TAB165T	- - - -
	7	1	0.8	TAB130T	TAB129T	TAB144T	- - - -
	5	1	0.8	TAB128T	TAB127T	TAB329T	- - - -
	2	1	0.8	TAB126T	TAB125T	TAB137T	- - - -
	1	1	0.8	- - - -	TAB135T	TAB136T	- - - -
	5	2.3	0.8	TAB337T	TAB338T	TAB343T	- - - -
	7	2.3	0.8	TAB350T	TAB349T	- - - -	- - - -
	9	2.3	0.8	TAB332T	TAB331T	TAB346T	- - - -
	13	2.3	0.8	TAB356T	TAB355T	- - - -	- - - -
	9	1	1.15	TAB185T	TAB203T	- - - -	- - - -

Figure 8 Baseline Test Conditions and Run Numbers

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File : TAB282T

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26-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, BASELINE

C1 : X/D = 15
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 51.415 kPa
RMS gauged plenum pressure : 0.119 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	-160.00	0.00	51.409	0.041	0.018	290.1	280.8	289.9	289.9
3	762.00	-152.00	0.00	51.432	0.037	0.015	290.1	280.7	290.0	290.0
4	762.00	-144.00	0.00	51.442	0.054	0.013	290.2	280.8	290.0	290.0
5	762.00	-136.00	0.00	51.459	0.080	0.015	290.0	280.7	289.9	289.8
6	762.00	-128.00	0.00	51.465	0.201	0.015	290.0	280.7	289.9	289.7
7	762.00	-120.00	0.00	51.462	0.275	0.012	290.1	280.7	289.9	289.7
8	762.00	-112.00	0.00	51.485	0.415	0.013	290.1	280.7	289.9	289.6
9	762.00	-104.00	0.00	51.479	0.641	0.014	290.0	280.7	289.8	289.3
10	762.00	-96.00	0.00	51.556	1.060	0.013	290.1	280.7	289.8	288.9
11	762.00	-88.00	0.00	51.575	1.509	0.014	290.2	280.7	289.7	288.4
12	762.00	-80.00	0.00	51.541	2.067	0.013	290.6	280.7	289.7	288.0
13	762.00	-72.00	0.00	51.485	2.806	0.013	290.7	280.6	289.7	287.4
14	762.00	-64.00	0.00	51.492	3.330	0.013	290.8	280.6	289.6	286.9
15	762.00	-56.00	0.00	51.489	4.281	0.012	290.9	280.7	289.7	286.2
16	762.00	-48.00	0.00	51.473	4.869	0.013	291.0	280.6	289.4	285.4

17	762.00	-40.00	0.00	51.464	5.609	0.013	290.5	280.6	289.3	284.7
18	762.00	-32.00	0.00	51.420	6.628	0.012	290.1	280.6	289.1	283.8
19	762.00	-24.00	0.00	51.375	7.208	0.012	290.0	280.6	288.9	283.1
20	762.00	-16.00	0.00	51.339	7.783	0.012	289.9	280.6	289.0	282.8
21	762.00	-8.00	0.00	51.383	8.174	0.012	289.9	280.6	289.1	282.6
22	762.00	0.00	0.00	51.371	8.231	0.012	289.8	280.6	288.7	282.1
23	762.00	8.00	0.00	51.368	8.168	0.011	289.8	280.6	288.9	282.4
24	762.00	16.00	0.00	51.369	7.897	0.012	289.8	280.6	288.4	282.1
25	762.00	24.00	0.00	51.359	7.289	0.012	289.7	280.6	287.1	281.3
26	762.00	32.00	0.00	51.402	6.576	0.012	289.6	280.6	287.4	282.1
27	762.00	40.00	0.00	51.426	5.654	0.012	289.6	280.6	288.4	283.8
28	762.00	48.00	0.00	51.414	4.773	0.012	289.6	280.5	286.3	282.4
29	762.00	56.00	0.00	51.418	3.948	0.011	289.5	280.5	290.1	286.9
30	762.00	64.00	0.00	51.413	3.336	0.011	289.5	280.5	288.4	285.7
31	762.00	72.00	0.00	51.410	2.478	0.011	289.5	280.5	288.6	286.6
32	762.00	80.00	0.00	51.395	2.028	0.011	289.5	280.5	288.4	286.7
33	762.00	88.00	0.00	51.391	1.333	0.011	289.4	280.5	288.2	287.1
34	762.00	96.00	0.00	51.366	1.059	0.011	289.3	280.5	288.4	287.5
35	762.00	104.00	0.00	51.230	0.613	0.012	289.2	280.5	288.8	288.3
36	762.00	112.00	0.00	51.098	0.360	0.012	289.2	280.5	288.9	288.6
37	762.00	120.00	0.00	51.055	0.310	0.012	289.1	280.5	288.6	288.3
38	762.00	128.00	0.00	51.192	0.145	0.012	289.0	280.5	288.6	288.5
39	762.00	136.00	0.00	51.506	0.026	0.012	289.0	280.5	288.7	288.7
40	762.00	144.00	0.00	51.402	0.014	0.011	288.9	280.5	288.6	288.6
41	762.00	152.00	0.00	51.572	0.010	0.011	288.9	280.5	288.6	288.6
42	762.00	160.00	0.00	51.588	0.009	0.011	288.8	280.4	288.6	288.6

File : TAB281T 26-JAN-89
26-JAN-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, BASELINE

C1 : X/D = 15
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 51.429 kPa
RMS gauged plenum pressure : 0.132 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	0.00	-120.00	51.252	0.159	0.026	290.8	281.7	290.4	290.3
3	762.00	0.00	-116.00	51.579	0.163	0.028	290.8	281.6	290.5	290.4
4	762.00	0.00	-112.00	51.588	0.227	0.024	290.8	281.6	290.5	290.3
5	762.00	0.00	-108.00	51.422	0.240	0.025	290.8	281.5	290.5	290.3
6	762.00	0.00	-104.00	51.456	0.321	0.030	290.8	281.5	290.5	290.2
7	762.00	0.00	-100.00	51.226	0.401	0.030	290.8	281.5	290.6	290.3
8	762.00	0.00	-96.00	51.316	0.460	0.027	290.7	281.5	290.5	290.1
9	762.00	0.00	-92.00	51.460	0.578	0.028	290.8	281.5	290.5	290.0
10	762.00	0.00	-88.00	51.305	0.737	0.029	290.7	281.4	290.5	289.9
11	762.00	0.00	-84.00	51.566	0.787	0.029	290.8	281.4	290.5	289.8
12	762.00	0.00	-80.00	51.602	0.992	0.032	290.7	281.4	290.5	289.7
13	762.00	0.00	-76.00	51.494	1.165	0.029	290.8	281.4	290.4	289.4
14	762.00	0.00	-72.00	51.399	1.435	0.028	291.0	281.4	290.5	289.3
15	762.00	0.00	-68.00	51.261	1.604	0.034	291.3	281.4	290.5	289.2
16	762.00	0.00	-64.00	51.377	1.905	0.032	291.7	281.3	290.5	288.9

17	762.00	0.00	-60.00	51.318	2.194	0.035	291.8	281.3	290.6	288.8
18	762.00	0.00	-56.00	51.390	2.498	0.033	291.6	281.3	290.6	288.5
19	762.00	0.00	-52.00	51.577	2.847	0.031	291.5	281.3	290.6	288.2
20	762.00	0.00	-48.00	51.579	3.330	0.034	291.0	281.3	290.5	287.7
21	762.00	0.00	-44.00	51.617	3.772	0.028	290.9	281.3	290.5	287.4
22	762.00	0.00	-40.00	51.560	4.277	0.024	290.9	281.3	290.6	287.1
23	762.00	0.00	-36.00	51.275	4.684	0.023	290.9	281.3	290.5	286.7
24	762.00	0.00	-32.00	51.410	5.282	0.021	290.9	281.3	290.5	286.2
25	762.00	0.00	-28.00	51.357	5.686	0.022	290.8	281.3	290.3	285.7
26	762.00	0.00	-24.00	51.355	6.226	0.019	290.8	281.3	290.3	285.3
27	762.00	0.00	-20.00	51.393	6.873	0.020	290.7	281.2	290.2	284.7
28	762.00	0.00	-16.00	51.609	7.366	0.015	290.8	281.3	290.2	284.3
29	762.00	0.00	-12.00	51.446	7.776	0.013	290.8	281.3	290.1	283.9
30	762.00	0.00	-8.00	51.538	8.013	0.013	290.8	281.2	289.9	283.5
31	762.00	0.00	-4.00	51.448	8.084	0.013	290.7	281.2	289.8	283.3
32	762.00	0.00	0.00	51.382	8.273	0.013	290.8	281.2	289.7	283.1
33	762.00	0.00	4.00	51.370	8.144	0.012	290.7	281.2	289.6	283.1
34	762.00	0.00	8.00	51.330	7.970	0.012	290.8	281.2	289.5	283.1
35	762.00	0.00	12.00	51.278	7.612	0.012	290.8	281.1	289.3	283.2
36	762.00	0.00	16.00	51.499	7.216	0.012	290.6	281.1	289.1	283.3
37	762.00	0.00	20.00	51.421	6.967	0.012	290.7	281.1	289.0	283.4

File : TAB287T

27-JAN-89
27-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
BASELINE

C1 : X/D = 15
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 51.274 kPa
RMS gauged plenum pressure : 0.127 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	-160.00	0.00	51.439	0.043	0.013	286.4	280.4	285.5	285.5
3	762.00	-152.00	0.00	51.411	0.036	0.018	286.6	280.4	285.6	285.6
4	762.00	-144.00	0.00	51.250	0.051	0.020	286.7	280.4	285.7	285.7
5	762.00	-136.00	0.00	51.243	0.108	0.019	286.6	280.4	285.9	285.8
6	762.00	-128.00	0.00	51.218	0.168	0.025	286.6	280.4	285.9	285.8
7	762.00	-120.00	0.00	51.131	0.324	0.024	286.6	280.4	286.0	285.7
8	762.00	-112.00	0.00	51.387	0.460	0.020	286.7	280.4	285.9	285.5
9	762.00	-104.00	0.00	51.316	0.796	0.020	287.1	280.4	286.3	285.6
10	762.00	-96.00	0.00	51.284	1.086	0.020	287.0	280.5	286.0	285.1
11	762.00	-88.00	0.00	51.135	1.331	0.021	286.8	280.5	305.5	304.3
12	762.00	-80.00	0.00	51.120	1.723	0.019	286.8	280.4	287.3	285.9
13	762.00	-72.00	0.00	51.231	2.338	0.019	286.9	280.5	304.4	302.4
14	762.00	-64.00	0.00	51.223	3.347	0.020	286.6	280.5	295.9	293.1
15	762.00	-56.00	0.00	51.238	3.841	0.021	286.4	280.4	290.7	287.5

16	762.00	-48.00	0.00	51.245	4.736	0.015	286.5	280.4	282.7	278.9
17	762.00	-40.00	0.00	51.126	5.567	0.018	286.5	280.4	277.9	273.6
18	762.00	-32.00	0.00	51.040	6.345	0.018	286.6	280.4	284.4	279.4
19	762.00	-24.00	0.00	50.923	7.024	0.017	286.5	280.4	293.3	287.6
20	762.00	-16.00	0.00	51.177	7.610	0.015	286.6	280.4	94.1	92.1
21	762.00	-8.00	0.00	51.092	8.116	0.013	286.8	280.4	275.3	269.1
22	762.00	0.00	0.00	51.477	8.242	0.015	286.8	280.4	282.5	276.1
23	762.00	8.00	0.00	51.367	8.239	0.013	286.8	280.4	306.4	299.4
24	762.00	16.00	0.00	51.339	7.799	0.013	286.8	280.4	292.7	286.4
25	762.00	24.00	0.00	51.219	7.222	0.014	286.8	280.4	188.6	184.8
26	762.00	32.00	0.00	51.156	6.441	0.015	286.7	280.4	92.4	90.7
27	762.00	40.00	0.00	51.500	5.674	0.013	286.7	280.4	278.9	274.5
28	762.00	48.00	0.00	51.436	4.666	0.013	287.0	280.4	288.9	285.1
29	762.00	56.00	0.00	51.421	3.838	0.017	287.0	280.4	289.9	286.7
30	762.00	64.00	0.00	51.379	3.092	0.019	286.8	280.4	291.7	289.1
31	762.00	72.00	0.00	51.293	2.689	0.023	286.7	280.4	263.2	261.2
32	762.00	80.00	0.00	51.272	1.942	0.019	286.4	280.4	299.1	297.4
33	762.00	88.00	0.00	51.263	1.490	0.022	286.4	280.4	276.5	275.3
34	762.00	96.00	0.00	51.314	0.906	0.015	286.4	280.4	285.6	284.9
35	762.00	104.00	0.00	51.368	0.527	0.015	286.2	280.3	285.2	284.8
36	762.00	112.00	0.00	51.376	0.454	0.016	286.5	280.3	285.4	285.0
37	762.00	120.00	0.00	51.351	0.242	0.015	286.9	280.4	285.5	285.3
38	762.00	128.00	0.00	51.364	0.166	0.016	287.3	280.4	285.6	285.5
39	762.00	136.00	0.00	51.303	0.082	0.020	286.9	280.3	285.7	285.6
40	762.00	144.00	0.00	51.291	0.025	0.017	287.3	280.4	285.8	285.8
41	762.00	152.00	0.00	51.270	0.011	0.013	287.3	280.4	285.9	285.9
42	762.00	160.00	0.00	51.253	0.013	0.014	287.1	280.4	285.9	285.9

File : TAB302T 3-FEB-89
3-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
BASELINE

C1 : X/D = 13
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.307 kPa

Mean gauged plenum pressure : 51.331 kPa
RMS gauged plenum pressure : 0.217 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	-160.00	0.00	51.191	0.037	0.012	288.7	282.1	288.4	288.4
3	660.40	-152.00	0.00	51.317	0.022	0.012	288.8	282.1	288.5	288.5
4	660.40	-144.00	0.00	51.353	0.024	0.014	288.8	282.1	288.5	288.5
5	660.40	-136.00	0.00	51.434	0.039	0.013	288.8	282.1	288.5	288.5
6	660.40	-128.00	0.00	51.284	0.117	0.014	288.8	282.1	288.6	288.5
7	660.40	-120.00	0.00	51.342	0.223	0.012	288.8	282.1	288.6	288.4
8	660.40	-112.00	0.00	51.338	0.307	0.014	288.9	282.1	288.6	288.3
9	660.40	-104.00	0.00	51.418	0.668	0.013	289.0	282.1	288.6	288.0
10	660.40	-96.00	0.00	51.406	1.099	0.013	289.0	282.1	288.7	287.8
11	660.40	-88.00	0.00	51.415	1.439	0.014	289.0	282.1	288.7	287.5
12	660.40	-80.00	0.00	51.416	2.163	0.015	289.1	282.1	288.7	286.9
13	660.40	-72.00	0.00	51.347	2.951	0.013	289.6	282.2	288.8	286.4
14	660.40	-64.00	0.00	51.290	3.778	0.013	290.0	282.1	288.9	285.8
15	660.40	-56.00	0.00	51.226	4.900	0.013	290.2	282.1	288.9	284.9

16	660.40	-48.00	0.00	51.187	5.776	0.013	290.5	282.1	288.9	284.2
17	660.40	-40.00	0.00	51.084	7.012	0.013	290.2	282.0	288.8	283.2
18	660.40	-32.00	0.00	51.172	8.130	0.014	290.0	282.0	288.8	282.3
19	660.40	-24.00	0.00	51.416	9.058	0.013	289.6	282.1	288.7	281.5
20	660.40	-16.00	0.00	51.947	9.984	0.014	289.4	282.2	288.6	280.7
21	660.40	-8.00	0.00	51.392	10.365	0.014	289.3	282.3	288.6	280.4
22	660.40	0.00	0.00	51.196	10.757	0.013	289.2	282.3	288.5	280.1
23	660.40	8.00	0.00	51.337	10.590	0.013	289.2	282.2	288.5	280.2
24	660.40	16.00	0.00	51.109	10.110	0.013	289.3	282.2	288.5	280.5
25	660.40	24.00	0.00	51.120	9.299	0.012	289.3	282.1	288.5	281.1
26	660.40	32.00	0.00	51.344	8.292	0.015	289.3	282.1	288.6	282.0
27	660.40	40.00	0.00	51.324	7.079	0.013	289.3	282.1	288.6	282.9
28	660.40	48.00	0.00	51.575	5.997	0.016	289.3	282.3	288.6	283.8
29	660.40	56.00	0.00	51.376	4.888	0.014	289.3	282.3	288.5	284.5
30	660.40	64.00	0.00	51.255	3.907	0.017	289.3	282.3	288.6	285.4
31	660.40	72.00	0.00	51.288	3.095	0.019	289.3	282.2	288.6	286.1
32	660.40	80.00	0.00	51.300	2.074	0.018	289.3	282.1	288.7	287.0
33	660.40	88.00	0.00	51.094	1.433	0.017	289.4	282.1	288.8	287.6
34	660.40	96.00	0.00	51.405	0.943	0.021	289.5	282.2	288.9	288.1
35	660.40	104.00	0.00	51.371	0.597	0.021	289.5	282.3	289.0	288.5
36	660.40	112.00	0.00	51.387	0.392	0.024	289.6	282.3	289.1	288.8
37	660.40	120.00	0.00	51.078	0.169	0.022	289.6	282.3	289.1	289.0
38	660.40	128.00	0.00	51.236	0.111	0.026	289.6	282.2	289.2	289.1
39	660.40	136.00	0.00	51.117	0.037	0.024	289.8	282.2	289.3	289.3
40	660.40	144.00	0.00	51.326	0.020	0.023	289.8	282.2	289.4	289.4
41	660.40	152.00	0.00	51.340	0.014	0.019	289.9	282.3	289.4	289.4
42	660.40	160.00	0.00	51.430	0.014	0.025	290.0	282.4	289.5	289.5

File : TAB293T 31-JAN-89
31-JAN-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, BASELINE

C1 : X/D = 13
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.731 kPa

Mean gauged plenum pressure : 51.004 kPa
RMS gauged plenum pressure : 0.103 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	0.00	-120.00	50.817	0.025	0.016	293.2	281.9	292.2	292.2
3	660.40	0.00	-116.00	51.157	0.014	0.017	293.3	281.9	292.3	292.3
4	660.40	0.00	-112.00	50.848	0.039	0.018	293.2	281.9	292.3	292.3
5	660.40	0.00	-108.00	51.094	0.028	0.018	293.2	281.9	292.3	292.3
6	660.40	0.00	-104.00	51.098	0.055	0.018	293.0	281.9	292.3	292.3
7	660.40	0.00	-100.00	51.155	0.114	0.016	293.0	281.9	292.2	292.1
8	660.40	0.00	-96.00	51.145	0.167	0.016	293.1	281.9	292.3	292.2
9	660.40	0.00	-92.00	51.087	0.212	0.018	293.1	281.9	292.3	292.1
10	660.40	0.00	-88.00	50.951	0.289	0.016	292.9	281.9	292.2	292.0
11	660.40	0.00	-84.00	51.015	0.416	0.019	292.9	281.9	292.2	291.8
12	660.40	0.00	-80.00	51.006	0.579	0.017	293.1	281.9	292.2	291.7
13	660.40	0.00	-76.00	50.993	0.795	0.016	293.1	281.9	292.2	291.5
14	660.40	0.00	-72.00	50.962	1.011	0.016	293.0	281.9	292.2	291.3
15	660.40	0.00	-68.00	50.914	1.223	0.020	293.0	281.9	292.3	291.3
16	660.40	0.00	-64.00	50.835	1.618	0.020	292.9	281.8	292.2	290.8

17	660.40	0.00	-60.00	50.955	1.837	0.017	292.8	281.9	292.2	290.6
18	660.40	0.00	-56.00	50.919	2.225	0.016	293.1	281.9	292.2	290.3
19	660.40	0.00	-52.00	51.140	2.814	0.019	293.1	281.9	292.3	289.9
20	660.40	0.00	-48.00	51.069	3.253	0.021	293.1	281.9	292.2	289.5
21	660.40	0.00	-44.00	50.909	3.743	0.021	292.9	281.9	292.2	289.1
22	660.40	0.00	-40.00	50.849	4.490	0.019	293.1	281.9	292.2	288.5
23	660.40	0.00	-36.00	51.031	5.195	0.019	293.1	281.9	292.2	287.9
24	660.40	0.00	-32.00	51.080	5.932	0.023	293.5	281.9	293.4	288.6
25	660.40	0.00	-28.00	51.083	6.631	0.017	293.5	281.9	292.3	286.9
26	660.40	0.00	-24.00	51.089	7.579	0.016	293.7	281.8	294.4	288.2
27	660.40	0.00	-20.00	51.109	8.469	0.018	294.1	281.8	292.2	285.3
28	660.40	0.00	-16.00	51.064	9.113	0.017	293.5	281.8	292.6	285.2
29	660.40	0.00	-12.00	51.023	9.777	0.017	293.3	281.8	292.3	284.4
30	660.40	0.00	-8.00	51.088	10.315	0.017	293.4	281.8	96.1	93.4
31	660.40	0.00	-4.00	51.121	10.473	0.022	293.2	281.9	116.0	112.7
32	660.40	0.00	0.00	51.036	10.613	0.021	293.1	281.8	106.4	103.3
33	660.40	0.00	4.00	50.946	10.523	0.020	293.1	281.8	294.4	285.9
34	660.40	0.00	8.00	50.848	10.078	0.023	292.9	281.9	84.8	82.4
35	660.40	0.00	12.00	50.856	9.536	0.017	293.1	281.8	94.3	91.8
36	660.40	0.00	16.00	50.972	9.049	0.015	293.4	281.8	190.1	185.3
37	660.40	0.00	20.00	50.946	8.119	0.015	293.4	281.8	0.0	0.0

File : TAB145T 4-NOV-88
4-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, -14 DEG

C1 : X/D = 13
C2 : DIAGONAL
C3 : Z = 10
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 96.648 kPa

Mean gauged plenum pressure : 51.052 kPa
RMS gauged plenum pressure : 0.047 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	-130.00	10.00	51.141	0.020	0.014	289.4	285.7	289.1	289.1
3	660.40	-125.00	10.00	51.106	0.052	0.022	289.4	285.7	288.7	288.7
4	660.40	-120.00	10.00	51.068	0.055	0.015	289.4	285.7	288.6	288.6
5	660.40	-115.00	10.00	51.036	0.110	0.016	289.4	285.7	288.6	288.5
6	660.40	-110.00	10.00	51.026	0.206	0.014	289.4	285.7	288.4	288.2
7	660.40	-105.00	10.00	51.024	0.400	0.018	289.4	285.7	288.4	288.1
8	660.40	-100.00	10.00	51.039	0.530	0.020	289.4	285.7	288.2	287.7
9	660.40	-95.00	10.00	51.052	0.533	0.019	289.4	285.7	288.2	287.7
10	660.40	-90.00	10.00	51.068	0.750	0.021	289.4	285.7	288.2	287.6
11	660.40	-85.00	10.00	51.097	1.012	0.019	289.4	285.7	288.0	287.1
12	660.40	-80.00	10.00	51.088	1.412	0.020	289.4	285.7	287.8	286.6
13	660.40	-75.00	10.00	51.098	1.795	0.019	289.4	285.7	287.7	286.2
14	660.40	-70.00	10.00	51.098	2.141	0.016	289.3	285.7	287.5	285.7
15	660.40	-65.00	10.00	51.090	2.555	0.017	289.3	285.7	287.5	285.4
16	660.40	-60.00	10.00	51.051	3.120	0.017	289.3	285.7	287.4	284.8

17	660.40	-55.00	10.00	51.026	3.544	0.018	289.3	285.7	287.4	284.5
18	660.40	-50.00	10.00	51.019	4.354	0.014	289.4	285.7	287.2	283.6
19	660.40	-45.00	10.00	51.002	4.748	0.015	289.3	285.7	287.1	283.2
20	660.40	-40.00	10.00	51.026	5.511	0.018	289.3	285.7	287.0	282.5
21	660.40	-35.00	10.00	51.047	6.093	0.014	289.3	285.7	287.2	282.2
22	660.40	-30.00	10.00	51.076	6.764	0.015	289.4	285.7	287.0	281.5
23	660.40	-25.00	10.00	51.085	7.770	0.018	289.6	285.7	287.0	280.7
24	660.40	-20.00	10.00	51.089	8.383	0.015	289.9	285.7	286.9	280.2
25	660.40	-15.00	10.00	51.055	8.829	0.017	290.0	285.7	286.9	279.8
26	660.40	-10.00	10.00	51.025	9.739	0.015	290.1	285.7	286.8	279.0
27	660.40	-5.00	10.00	51.013	10.127	0.013	290.1	285.7	286.9	278.8
28	660.40	0.00	10.00	50.999	10.333	0.014	290.2	285.7	286.9	278.7
29	660.40	5.00	10.00	50.987	10.587	0.014	290.2	285.7	286.8	278.4
30	660.40	10.00	10.00	50.963	10.684	0.015	289.7	285.7	286.9	278.4
31	660.40	15.00	10.00	50.980	10.595	0.015	289.5	285.7	286.8	278.4
32	660.40	20.00	10.00	51.001	10.227	0.014	289.5	285.7	286.9	278.8

File : TAB134T 28-OCT-88
28-OCT-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB

C1 : X/D = 11
C2 : VARIABLE
C3 : OFFSET = -2MM
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 51.962 kPa
RMS gauged plenum pressure : 0.274 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	-130.00	-2.00	51.696	0.031	0.015	293.3	286.8	292.5	292.5
3	558.80	-125.00	-2.00	51.678	0.023	0.015	293.6	286.8	292.9	292.9
4	558.80	-120.00	-2.00	51.695	0.060	0.013	294.0	286.8	292.4	292.3
5	558.80	-115.00	-2.00	51.691	0.050	0.013	294.3	286.8	292.5	292.5
6	558.80	-110.00	-2.00	51.692	0.140	0.014	294.3	286.8	292.1	292.0
7	558.80	-105.00	-2.00	51.676	0.199	0.013	294.1	286.8	291.8	291.6
8	558.80	-100.00	-2.00	51.677	0.348	0.014	294.4	286.8	291.6	291.3
9	558.80	-95.00	-2.00	51.705	0.580	0.013	294.2	286.9	291.7	291.2
10	558.80	-90.00	-2.00	51.705	0.830	0.014	293.7	286.8	291.3	290.6
11	558.80	-85.00	-2.00	51.677	1.155	0.013	293.5	286.8	291.0	290.0
12	558.80	-80.00	-2.00	51.700	1.614	0.014	293.3	286.9	291.0	289.6
13	558.80	-75.00	-2.00	51.700	2.166	0.014	293.3	286.8	290.7	288.9
14	558.80	-70.00	-2.00	51.686	2.595	0.013	293.2	286.8	290.5	288.3
15	558.80	-65.00	-2.00	51.685	3.228	0.012	293.2	286.8	290.4	287.7
16	558.80	-60.00	-2.00	51.695	3.942	0.012	293.2	286.8	290.3	287.1

17	558.80	-55.00	-2.00	51.679	4.768	0.013	293.3	286.8	290.3	286.4
18	558.80	-50.00	-2.00	51.680	5.729	0.014	293.2	286.8	289.9	285.2
19	558.80	-45.00	-2.00	51.630	6.440	0.013	293.2	286.8	289.9	284.7
20	558.80	-40.00	-2.00	51.625	7.589	0.014	293.2	286.8	289.8	283.7
21	558.80	-35.00	-2.00	51.597	8.360	0.012	293.3	286.8	289.7	283.0
22	558.80	-30.00	-2.00	51.582	9.410	0.013	293.4	286.8	289.4	281.9
23	558.80	-25.00	-2.00	51.591	10.360	0.013	293.4	286.8	289.3	281.1
24	558.80	-20.00	-2.00	51.589	11.290	0.013	293.5	286.8	289.4	280.5
25	558.80	-15.00	-2.00	52.089	12.334	0.014	293.3	286.8	288.7	279.1
26	558.80	-10.00	-2.00	52.097	13.136	0.018	293.1	286.8	288.8	278.6
27	558.80	-5.00	-2.00	52.062	13.906	0.017	293.2	286.8	288.8	278.1
28	558.80	0.00	-2.00	52.054	14.269	0.015	293.3	286.8	288.7	277.7
29	558.80	5.00	-2.00	52.050	14.597	0.015	293.3	286.8	288.7	277.5
30	558.80	10.00	-2.00	52.048	14.708	0.016	293.3	286.8	288.7	277.4
31	558.80	15.00	-2.00	52.051	14.474	0.018	293.5	286.8	288.7	277.6
32	558.80	20.00	-2.00	52.055	13.826	0.014	294.0	286.8	288.8	278.1
33	558.80	25.00	-2.00	52.069	13.224	0.014	294.1	286.8	289.1	278.8
34	558.80	30.00	-2.00	52.061	12.445	0.019	294.4	286.8	289.2	279.5
35	558.80	35.00	-2.00	52.074	11.557	0.015	294.3	286.8	289.4	280.3
36	558.80	40.00	-2.00	52.094	10.238	0.015	294.6	286.8	289.4	281.3
37	558.80	45.00	-2.00	52.152	9.106	0.019	294.5	286.8	289.6	282.4
38	558.80	50.00	-2.00	52.235	7.853	0.022	294.3	286.9	289.6	283.3
39	558.80	55.00	-2.00	52.286	6.899	0.016	294.3	286.9	289.6	284.0
40	558.80	60.00	-2.00	52.343	5.814	0.020	293.9	286.9	290.0	285.3
41	558.80	65.00	-2.00	52.385	4.824	0.019	293.7	286.9	290.0	286.1
42	558.80	70.00	-2.00	52.385	4.025	0.019	293.7	286.9	290.3	287.0
43	558.80	75.00	-2.00	52.339	3.238	0.014	293.7	286.8	290.7	288.0
44	558.80	80.00	-2.00	52.289	2.338	0.017	293.8	286.9	290.9	289.0
45	558.80	85.00	-2.00	52.242	1.941	0.022	293.8	286.8	291.1	289.5
46	558.80	90.00	-2.00	52.199	1.629	0.022	293.9	286.8	291.3	289.9
47	558.80	95.00	-2.00	52.183	1.219	0.025	293.7	286.9	291.5	290.5
48	558.80	100.00	-2.00	52.194	0.756	0.022	293.7	286.9	291.8	291.2
49	558.80	105.00	-2.00	52.217	0.625	0.022	293.8	286.9	291.8	291.3
50	558.80	110.00	-2.00	52.247	0.333	0.025	293.8	286.8	292.1	291.8
51	558.80	115.00	-2.00	52.271	0.130	0.026	293.8	286.9	292.2	292.1
52	558.80	120.00	-2.00	52.264	0.068	0.021	293.8	286.9	292.5	292.4
53	558.80	125.00	-2.00	52.248	0.051	0.022	293.9	286.9	292.7	292.7
54	558.80	130.00	-2.00	52.283	0.015	0.020	294.0	286.9	293.0	293.0

File : TAB133T 28-OCT-88
28-OCT-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB

C1 : X/D = 11
C2 : OFFSET = 7MM
C3 : VARIABLE
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.408 kPa

Mean gauged plenum pressure : 51.373 kPa
RMS gauged plenum pressure : 0.265 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	7.00	-100.00	50.875	0.021	0.014	293.3	287.4	291.5	291.5
3	558.80	7.00	-97.00	50.756	0.013	0.016	293.3	287.2	291.7	291.7
4	558.80	7.00	-94.00	50.888	0.018	0.014	293.6	287.2	291.8	291.8
5	558.80	7.00	-91.00	51.211	0.018	0.014	294.2	287.2	291.6	291.6
6	558.80	7.00	-88.00	51.137	0.032	0.012	294.5	287.1	292.0	292.0
7	558.80	7.00	-85.00	51.095	0.071	0.012	294.9	287.1	292.1	292.0
8	558.80	7.00	-82.00	51.065	0.117	0.012	295.0	287.1	291.7	291.6
9	558.80	7.00	-79.00	51.037	0.240	0.012	295.1	287.1	291.0	290.8
10	558.80	7.00	-76.00	51.022	0.332	0.011	295.2	287.1	291.3	291.0
11	558.80	7.00	-73.00	51.011	0.434	0.011	295.3	287.1	291.0	290.6
12	558.80	7.00	-70.00	50.965	0.562	0.010	294.8	287.0	291.0	290.5
13	558.80	7.00	-67.00	50.995	0.739	0.011	294.1	287.0	290.0	289.4
14	558.80	7.00	-64.00	50.992	0.927	0.011	293.8	286.9	289.6	288.8
15	558.80	7.00	-61.00	51.651	1.234	0.011	293.7	287.0	289.8	288.8
16	558.80	7.00	-58.00	51.625	1.563	0.011	293.6	286.9	289.6	288.3

17	558.80	7.00	-55.00	51.626	1.967	0.011	293.4	286.9	289.0	287.4
18	558.80	7.00	-52.00	51.610	2.337	0.011	293.3	286.9	289.0	287.1
19	558.80	7.00	-49.00	51.593	2.849	0.011	293.1	286.9	288.6	286.3
20	558.80	7.00	-46.00	51.565	3.442	0.011	293.0	286.8	288.4	285.6
21	558.80	7.00	-43.00	51.561	3.915	0.011	293.0	286.8	288.4	285.2
22	558.80	7.00	-40.00	51.561	4.482	0.011	293.0	286.8	288.3	284.6
23	558.80	7.00	-37.00	51.580	5.317	0.011	292.9	286.8	288.1	283.8
24	558.80	7.00	-34.00	51.597	6.069	0.011	292.8	286.8	288.1	283.2
25	558.80	7.00	-31.00	51.588	7.030	0.012	292.7	286.8	287.7	282.1
26	558.80	7.00	-28.00	51.614	7.961	0.012	292.7	286.8	288.0	281.7
27	558.80	7.00	-25.00	51.588	8.860	0.012	292.7	286.8	288.1	281.1
28	558.80	7.00	-22.00	51.594	9.898	0.012	292.8	286.7	288.1	280.3
29	558.80	7.00	-19.00	51.573	10.991	0.012	292.8	286.7	288.1	279.5
30	558.80	7.00	-16.00	51.569	11.805	0.012	292.7	286.7	288.3	279.1
31	558.80	7.00	-13.00	51.557	12.684	0.012	293.0	286.7	288.3	278.5
32	558.80	7.00	-10.00	51.520	13.404	0.012	293.4	286.7	288.5	278.1
33	558.80	7.00	-7.00	51.472	13.948	0.012	293.7	286.7	288.5	277.8
34	558.80	7.00	-4.00	51.463	14.354	0.013	294.1	286.7	288.4	277.4
35	558.80	7.00	-1.00	51.467	14.364	0.013	294.1	286.7	288.3	277.3
36	558.80	7.00	2.00	51.461	14.342	0.014	293.9	286.7	288.2	277.2
37	558.80	7.00	5.00	51.469	13.831	0.013	293.8	286.6	288.2	277.6
38	558.80	7.00	8.00	51.460	13.061	0.013	293.7	286.7	288.1	278.0
39	558.80	7.00	11.00	51.450	12.428	0.014	293.5	286.7	288.0	278.4
40	558.80	7.00	14.00	51.462	11.381	0.019	293.1	286.7	287.7	278.8
41	558.80	7.00	17.00	51.458	10.424	0.015	292.8	286.7	287.7	279.5
42	558.80	7.00	20.00	51.493	9.556	0.020	292.4	286.7	287.5	280.0

File : TAB143T 4-NOV-88
4-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, -14 DEG

C1 : X/D = 11
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.359 kPa

Mean gauged plenum pressure : 50.718 kPa
RMS gauged plenum pressure : 0.175 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	-130.00	0.00	50.872	0.037	0.019	285.7	285.1	285.7	285.7
3	558.80	-125.00	0.00	50.865	0.018	0.018	285.6	285.1	285.5	285.5
4	558.80	-120.00	0.00	50.873	0.039	0.020	285.6	285.1	285.4	285.4
5	558.80	-115.00	0.00	50.873	0.040	0.014	285.6	285.1	285.0	285.0
6	558.80	-110.00	0.00	50.872	0.106	0.014	285.6	285.1	285.2	285.1
7	558.80	-105.00	0.00	50.879	0.240	0.017	285.6	285.1	284.9	284.7
8	558.80	-100.00	0.00	50.882	0.361	0.017	285.6	285.1	285.0	284.7
9	558.80	-95.00	0.00	50.878	0.511	0.015	285.6	285.1	284.8	284.4
10	558.80	-90.00	0.00	50.856	0.763	0.014	285.5	285.0	284.5	283.9
11	558.80	-85.00	0.00	50.843	0.926	0.014	285.5	285.1	284.6	283.8
12	558.80	-80.00	0.00	50.858	1.299	0.015	285.5	285.0	284.5	283.4
13	558.80	-75.00	0.00	50.862	1.863	0.018	285.5	285.1	284.3	282.8
14	558.80	-70.00	0.00	50.880	2.363	0.019	285.5	285.1	284.4	282.5
15	558.80	-65.00	0.00	50.817	3.113	0.013	286.0	285.0	284.6	282.0
16	558.80	-60.00	0.00	50.767	3.818	0.014	286.2	285.0	284.3	281.2

17	558.80	-55.00	0.00	50.782	4.264	0.014	286.4	285.0	284.4	280.9
18	558.80	-50.00	0.00	50.743	5.244	0.017	286.4	285.0	284.4	280.2
19	558.80	-45.00	0.00	50.730	6.242	0.017	286.6	285.0	284.3	279.3
20	558.80	-40.00	0.00	50.729	7.096	0.019	286.1	285.0	284.1	278.4
21	558.80	-35.00	0.00	50.704	8.025	0.018	285.7	285.0	284.1	277.7
22	558.80	-30.00	0.00	50.660	9.279	0.016	285.6	285.0	284.2	276.9
23	558.80	-25.00	0.00	50.621	10.274	0.016	285.6	285.1	284.2	276.2
24	558.80	-20.00	0.00	50.574	11.306	0.014	285.5	285.0	284.1	275.3
25	558.80	-15.00	0.00	50.586	12.192	0.013	285.6	285.1	284.2	274.8
26	558.80	-10.00	0.00	50.586	12.925	0.014	285.5	285.1	284.2	274.2
27	558.80	-5.00	0.00	50.625	13.408	0.016	285.5	285.1	284.1	273.8
28	558.80	0.00	0.00	50.633	13.787	0.017	285.5	285.0	284.2	273.6
29	558.80	5.00	0.00	50.368	14.163	0.016	285.5	285.1	284.3	273.5
30	558.80	10.00	0.00	50.375	14.042	0.018	285.5	285.1	284.3	273.5
31	558.80	15.00	0.00	50.398	13.576	0.015	285.5	285.0	284.3	273.9
32	558.80	20.00	0.00	50.388	13.053	0.015	285.6	285.1	284.3	274.2

File : TAB147T

14-NOV-88
14-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Baseline

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 51.604 kPa
RMS gauged plenum pressure : 0.132 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.411	0.433	0.012	294.8	285.6	292.2	291.8
3	457.20	-105.00	0.00	51.401	0.795	0.017	294.8	285.6	292.1	291.4
4	457.20	-100.00	0.00	51.656	1.242	0.013	295.1	285.6	291.5	290.5
5	457.20	-95.00	0.00	51.641	1.706	0.014	295.3	285.6	291.5	290.1
6	457.20	-90.00	0.00	51.619	2.199	0.015	295.6	285.6	291.3	289.5
7	457.20	-85.00	0.00	51.582	3.095	0.013	295.5	285.6	290.8	288.2
8	457.20	-80.00	0.00	51.576	3.800	0.015	295.5	285.6	290.5	287.4
9	457.20	-75.00	0.00	51.580	4.771	0.013	295.4	285.6	290.4	286.5
10	457.20	-70.00	0.00	51.849	5.737	0.014	295.0	285.5	289.8	285.1
11	457.20	-65.00	0.00	51.845	6.979	0.013	294.9	285.5	289.5	283.9
12	457.20	-60.00	0.00	51.856	8.025	0.012	294.8	285.6	289.3	282.9
13	457.20	-55.00	0.00	51.871	9.498	0.013	294.6	285.6	289.0	281.5
14	457.20	-50.00	0.00	51.851	10.555	0.013	294.5	285.5	288.6	280.3
15	457.20	-45.00	0.00	51.819	12.173	0.013	294.4	285.5	288.4	278.9
16	457.20	-40.00	0.00	51.799	13.490	0.014	294.4	285.5	287.9	277.5

17	457.20	-35.00	0.00	51.744	15.229	0.012	294.4	285.5	287.6	276.0
18	457.20	-30.00	0.00	51.724	16.582	0.012	294.4	285.5	287.5	275.0
19	457.20	-25.00	0.00	51.717	17.894	0.012	294.4	285.5	287.3	273.9
20	457.20	-20.00	0.00	51.666	19.044	0.012	294.4	285.5	287.1	272.9
21	457.20	-15.00	0.00	51.631	19.626	0.012	294.4	285.5	287.0	272.4
22	457.20	-10.00	0.00	51.580	20.067	0.012	294.3	285.5	287.0	272.1
23	457.20	-5.00	0.00	51.570	20.063	0.012	294.2	285.5	286.8	272.0
24	457.20	0.00	0.00	51.556	19.682	0.012	294.2	285.5	286.9	272.3
25	457.20	5.00	0.00	51.540	19.158	0.012	294.2	285.5	287.1	272.8
26	457.20	10.00	0.00	51.567	17.881	0.013	294.3	285.5	287.3	273.9
27	457.20	15.00	0.00	51.610	16.499	0.012	294.2	285.5	287.8	275.3
28	457.20	20.00	0.00	51.672	14.489	0.012	294.2	285.5	287.9	276.8
29	457.20	25.00	0.00	51.673	12.898	0.012	294.2	285.5	288.1	278.1
30	457.20	30.00	0.00	51.614	10.604	0.012	294.2	285.5	288.4	280.1
31	457.20	35.00	0.00	51.538	8.908	0.012	294.8	285.5	288.7	281.6
32	457.20	40.00	0.00	51.531	7.164	0.012	295.2	285.5	288.9	283.1
33	457.20	45.00	0.00	51.548	5.663	0.012	295.2	285.4	289.4	284.8
34	457.20	50.00	0.00	51.580	4.638	0.012	295.5	285.4	289.7	285.9
35	457.20	55.00	0.00	51.571	3.589	0.012	295.4	285.4	289.8	286.8
36	457.20	60.00	0.00	51.540	2.874	0.012	295.3	285.4	290.3	287.9
37	457.20	65.00	0.00	51.515	2.227	0.012	295.0	285.4	290.7	288.8
38	457.20	70.00	0.00	51.491	1.531	0.012	294.6	285.4	291.2	289.9
39	457.20	75.00	0.00	51.478	1.308	0.012	294.4	285.4	291.1	290.0
40	457.20	80.00	0.00	51.440	0.831	0.012	294.3	285.4	291.3	290.6
41	457.20	85.00	0.00	51.386	0.543	0.012	294.1	285.3	291.7	291.2
42	457.20	90.00	0.00	51.413	0.358	0.012	294.1	285.4	291.7	291.4
43	457.20	95.00	0.00	51.466	0.147	0.012	294.1	285.3	291.9	291.8
44	457.20	100.00	0.00	51.534	0.099	0.012	294.1	285.4	291.8	291.7
45	457.20	105.00	0.00	51.570	0.044	0.012	294.2	285.3	292.4	292.4
46	457.20	110.00	0.00	51.606	0.014	0.012	294.2	285.3	292.3	292.3

File : TAB146T

14-NOV-88
14-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Baseline

C1 : X/D = 9
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 51.637 kPa
RMS gauged plenum pressure : 0.355 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.479	0.470	0.012	294.9	286.2	291.2	290.8
3	457.20	0.00	-58.00	51.509	0.469	0.012	294.9	286.1	291.3	290.9
4	457.20	0.00	-56.00	51.499	0.677	0.012	294.9	286.1	291.0	290.4
5	457.20	0.00	-54.00	51.524	0.869	0.012	295.2	286.1	290.2	289.5
6	457.20	0.00	-52.00	51.514	1.057	0.013	295.1	286.0	290.2	289.3
7	457.20	0.00	-50.00	51.482	1.277	0.012	295.0	285.9	289.9	288.8
8	457.20	0.00	-48.00	51.444	1.561	0.012	295.4	285.9	289.3	288.0
9	457.20	0.00	-46.00	51.440	1.918	0.012	295.7	285.8	289.0	287.4
10	457.20	0.00	-44.00	51.407	2.255	0.013	295.7	285.8	288.5	286.6
11	457.20	0.00	-42.00	51.420	2.697	0.014	295.6	285.7	289.1	286.9
12	457.20	0.00	-40.00	51.453	3.231	0.013	295.5	285.7	288.4	285.7
13	457.20	0.00	-38.00	51.483	3.619	0.012	295.4	285.7	288.4	285.4
14	457.20	0.00	-36.00	51.675	4.243	0.012	295.5	285.7	288.0	284.5
15	457.20	0.00	-34.00	52.209	4.849	0.012	295.4	285.7	287.9	284.0
16	457.20	0.00	-32.00	52.223	5.699	0.014	294.7	285.7	287.4	282.8

17	457.20	0.00	-30.00	52.244	6.463	0.014	294.3	285.7	287.5	282.3
18	457.20	0.00	-28.00	52.314	7.124	0.014	294.2	285.7	287.4	281.7
19	457.20	0.00	-26.00	52.288	8.160	0.016	294.3	285.7	287.3	280.8
20	457.20	0.00	-24.00	52.238	9.171	0.013	294.3	285.7	287.1	279.9
21	457.20	0.00	-22.00	51.234	10.035	0.016	294.3	285.7	287.0	279.1
22	457.20	0.00	-20.00	51.184	11.127	0.013	294.4	285.7	287.3	278.6
23	457.20	0.00	-18.00	51.204	12.164	0.016	294.2	285.7	287.2	277.8
24	457.20	0.00	-16.00	52.387	13.509	0.014	294.3	285.8	287.2	276.8
25	457.20	0.00	-14.00	51.522	14.428	0.016	294.4	285.8	287.2	276.2
26	457.20	0.00	-12.00	51.509	15.673	0.022	294.5	285.8	287.2	275.3
27	457.20	0.00	-10.00	51.527	16.711	0.018	294.4	285.8	287.3	274.7
28	457.20	0.00	-8.00	51.546	17.627	0.022	294.5	285.8	287.3	274.1
29	457.20	0.00	-6.00	51.542	18.307	0.022	294.3	285.8	287.3	273.6
30	457.20	0.00	-4.00	51.496	19.101	0.023	294.5	285.8	287.3	273.1
31	457.20	0.00	-2.00	51.505	19.398	0.023	294.5	285.8	287.5	273.1
32	457.20	0.00	0.00	51.443	19.581	0.025	294.7	285.8	287.4	272.8
33	457.20	0.00	2.00	51.389	19.437	0.016	295.1	285.8	287.2	272.8
34	457.20	0.00	4.00	51.378	19.380	0.019	295.4	285.8	287.0	272.6
35	457.20	0.00	6.00	51.361	18.873	0.021	295.7	285.8	287.1	273.0
36	457.20	0.00	8.00	51.370	18.171	0.017	295.9	285.8	286.9	273.3
37	457.20	0.00	10.00	52.181	17.654	0.016	295.3	285.7	286.9	273.7

File : TAB165T

6-DEC-88
18-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.713 kPa

Mean gauged plenum pressure : 51.380 kPa
RMS gauged plenum pressure : 0.527 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.384	0.136	0.017	290.4	285.2	288.8	288.7
3	457.20	-105.00	0.00	51.388	0.178	0.020	290.4	285.1	288.2	288.1
4	457.20	-100.00	0.00	51.391	0.198	0.022	290.0	285.1	287.9	287.7
5	457.20	-95.00	0.00	51.347	0.404	0.017	290.1	285.1	288.1	287.8
6	457.20	-90.00	0.00	51.324	0.914	0.018	290.1	285.1	288.1	287.3
7	457.20	-85.00	0.00	51.346	1.196	0.015	290.2	285.1	287.8	286.8
8	457.20	-80.00	0.00	51.348	1.495	0.017	290.2	285.1	287.5	286.3
9	457.20	-75.00	0.00	51.374	2.408	0.015	290.3	285.2	287.4	285.4
10	457.20	-70.00	0.00	51.409	2.852	0.017	290.3	285.1	287.2	284.9
11	457.20	-65.00	0.00	51.449	4.021	0.015	290.4	285.1	286.7	283.4
12	457.20	-60.00	0.00	51.639	4.640	0.015	290.5	285.1	286.9	283.2
13	457.20	-55.00	0.00	51.707	5.672	0.016	290.6	285.2	286.9	282.3
14	457.20	-50.00	0.00	51.745	7.042	0.021	290.5	285.1	286.0	280.4
15	457.20	-45.00	0.00	51.697	8.702	0.017	290.4	285.1	286.1	279.3
16	457.20	-40.00	0.00	51.702	10.257	0.016	290.6	285.1	286.1	278.1

17	457.20	-35.00	0.00	51.813	11.837	0.015	291.1	285.1	285.7	276.6
18	457.20	-30.00	0.00	51.918	13.331	0.016	291.3	285.1	285.8	275.6
19	457.20	-25.00	0.00	51.903	15.251	0.017	291.1	285.1	285.3	273.8
20	457.20	-20.00	0.00	51.978	16.555	0.014	291.3	285.1	285.6	273.2
21	457.20	-15.00	0.00	50.882	17.357	0.016	291.0	285.1	285.4	272.5
22	457.20	-10.00	0.00	49.756	17.939	0.014	290.7	285.0	285.1	271.8
23	457.20	-5.00	0.00	49.250	18.169	0.021	290.5	285.1	285.0	271.5
24	457.20	0.00	0.00	50.206	19.259	0.020	290.4	285.2	285.3	271.1
25	457.20	5.00	0.00	52.449	20.010	0.016	290.3	285.2	285.1	270.4
26	457.20	10.00	0.00	51.752	19.277	0.018	290.3	285.2	285.2	271.0
27	457.20	15.00	0.00	51.265	18.278	0.014	290.2	285.1	285.3	271.8
28	457.20	20.00	0.00	51.541	17.082	0.014	290.3	285.2	285.5	272.7
29	457.20	25.00	0.00	51.498	15.346	0.014	290.5	285.1	285.5	273.9
30	457.20	30.00	0.00	51.439	13.537	0.015	290.5	285.1	285.7	275.4
31	457.20	35.00	0.00	51.371	11.182	0.020	290.6	285.1	285.8	277.2
32	457.20	40.00	0.00	51.342	9.257	0.019	290.7	285.1	286.0	278.8
33	457.20	45.00	0.00	51.325	7.278	0.019	290.7	285.1	286.2	280.4
34	457.20	50.00	0.00	51.241	5.594	0.023	290.6	285.1	286.4	281.9
35	457.20	55.00	0.00	51.149	4.255	0.019	290.6	285.1	286.6	283.2
36	457.20	60.00	0.00	51.273	3.123	0.022	290.7	285.1	286.7	284.2
37	457.20	65.00	0.00	51.252	2.376	0.017	290.7	285.1	287.1	285.2
38	457.20	70.00	0.00	51.225	1.908	0.021	290.9	285.2	287.8	286.2
39	457.20	75.00	0.00	51.222	1.496	0.020	290.8	285.1	287.9	286.7
40	457.20	80.00	0.00	51.182	0.651	0.022	290.8	285.1	288.1	287.6
41	457.20	85.00	0.00	51.134	0.526	0.016	291.0	285.1	288.3	287.9
42	457.20	90.00	0.00	51.156	0.284	0.015	290.9	285.1	288.5	288.3
43	457.20	95.00	0.00	51.772	0.192	0.016	291.0	285.1	288.6	288.4
44	457.20	100.00	0.00	51.714	0.061	0.017	290.8	285.1	288.6	288.5
45	457.20	105.00	0.00	51.691	0.064	0.018	290.8	285.1	288.9	288.8
46	457.20	110.00	0.00	51.731	0.014	0.017	290.5	285.1	289.3	289.3

File : TAB130T 27-OCT-88
27-OCT-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
X/D = 7, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : -1MM OFFSET
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.171 kPa

Mean gauged plenum pressure : 51.124 kPa
RMS gauged plenum pressure : 0.254 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	-110.00	-1.00	51.568	0.034	0.012	294.4	287.3	292.6	292.6
3	355.60	-105.00	-1.00	51.459	0.050	0.012	294.2	287.2	292.2	292.2
4	355.60	-100.00	-1.00	51.405	0.113	0.013	294.1	287.2	292.2	292.1
5	355.60	-95.00	-1.00	51.385	0.307	0.013	294.1	287.2	291.6	291.3
6	355.60	-90.00	-1.00	51.358	0.516	0.013	293.8	287.1	291.3	290.9
7	355.60	-85.00	-1.00	51.297	0.973	0.013	293.8	287.1	290.9	290.1
8	355.60	-80.00	-1.00	51.273	1.464	0.012	293.7	287.1	291.0	289.8
9	355.60	-75.00	-1.00	51.260	2.276	0.012	293.8	287.1	290.6	288.7
10	355.60	-70.00	-1.00	51.273	3.159	0.012	293.7	287.1	290.3	287.7
11	355.60	-65.00	-1.00	51.242	4.324	0.013	293.8	287.1	290.0	286.4
12	355.60	-60.00	-1.00	51.222	5.653	0.012	294.4	287.1	289.7	285.1
13	355.60	-55.00	-1.00	51.092	7.038	0.012	294.9	287.1	289.8	284.1
14	355.60	-50.00	-1.00	50.843	8.610	0.012	295.1	287.1	289.0	282.1
15	355.60	-45.00	-1.00	50.840	10.350	0.012	295.3	287.1	289.2	281.0
16	355.60	-40.00	-1.00	50.804	12.378	0.012	295.4	287.2	288.5	278.9

17	355.60	-35.00	-1.00	50.772	14.485	0.012	295.4	287.1	288.3	277.2
18	355.60	-30.00	-1.00	51.299	16.730	0.012	295.4	287.1	288.1	275.4
19	355.60	-25.00	-1.00	51.253	19.118	0.012	295.5	287.2	287.7	273.4
20	355.60	-20.00	-1.00	51.231	21.386	0.013	295.0	287.1	287.0	271.3
21	355.60	-15.00	-1.00	51.234	23.486	0.013	294.7	287.1	286.9	269.8
22	355.60	-10.00	-1.00	51.220	25.499	0.014	294.4	287.1	286.4	268.1
23	355.60	-5.00	-1.00	51.219	26.790	0.016	294.3	287.2	286.2	267.1
24	355.60	0.00	-1.00	51.247	27.691	0.014	294.1	287.1	286.0	266.4
25	355.60	5.00	-1.00	51.246	27.886	0.015	294.1	287.2	286.2	266.4
26	355.60	10.00	-1.00	51.214	27.694	0.012	294.4	287.2	286.1	266.5
27	355.60	15.00	-1.00	51.203	27.495	0.013	294.4	287.2	286.2	266.7
28	355.60	20.00	-1.00	51.205	26.404	0.016	294.3	287.2	286.5	267.6
29	355.60	25.00	-1.00	51.113	24.548	0.015	294.3	287.2	286.9	269.1
30	355.60	30.00	-1.00	50.956	21.573	0.014	294.4	287.2	287.2	271.3
31	355.60	35.00	-1.00	50.967	18.220	0.014	294.2	287.2	287.6	273.9
32	355.60	40.00	-1.00	50.791	14.800	0.015	294.2	287.2	287.8	276.5
33	355.60	45.00	-1.00	50.771	12.033	0.015	294.0	287.2	288.1	278.7
34	355.60	50.00	-1.00	50.605	9.391	0.014	294.2	287.2	288.3	280.9
35	355.60	55.00	-1.00	50.582	7.145	0.017	294.2	287.2	289.1	283.3
36	355.60	60.00	-1.00	50.718	5.680	0.019	294.2	287.2	290.3	285.7
37	355.60	65.00	-1.00	51.282	4.609	0.019	294.4	287.2	290.0	286.2
38	355.60	70.00	-1.00	51.273	3.599	0.013	295.0	287.2	290.1	287.1
39	355.60	75.00	-1.00	51.266	2.755	0.013	295.3	287.1	290.6	288.3
40	355.60	80.00	-1.00	51.264	2.078	0.013	295.7	287.2	290.7	289.0
41	355.60	85.00	-1.00	51.274	1.122	0.016	295.8	287.1	291.4	290.5
42	355.60	90.00	-1.00	51.110	0.779	0.015	295.7	287.1	291.5	290.8
43	355.60	95.00	-1.00	51.069	0.506	0.015	295.8	287.1	291.6	291.2
44	355.60	100.00	-1.00	50.989	0.166	0.014	295.8	287.1	291.6	291.5
45	355.60	105.00	-1.00	50.990	0.156	0.014	295.7	287.1	292.4	292.3
46	355.60	110.00	-1.00	50.899	0.016	0.014	295.1	287.1	292.5	292.5

File : TAB129T

27-OCT-88
27-OCT-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
X/D = 7, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.307 kPa

Mean gauged plenum pressure : 51.356 kPa
RMS gauged plenum pressure : 0.323 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	0.00	-60.00	50.829	0.013	0.012	291.7	286.3	289.3	289.3
3	355.60	0.00	-58.00	50.747	0.013	0.014	291.5	286.3	289.1	289.1
4	355.60	0.00	-56.00	51.401	0.031	0.013	291.4	286.4	288.5	288.5
5	355.60	0.00	-54.00	51.020	0.100	0.012	291.3	286.3	288.4	288.3
6	355.60	0.00	-52.00	51.351	0.157	0.012	291.1	286.4	288.1	288.0
7	355.60	0.00	-50.00	51.170	0.295	0.012	291.2	286.4	287.5	287.3
8	355.60	0.00	-48.00	51.168	0.458	0.011	291.3	286.5	287.7	287.3
9	355.60	0.00	-46.00	51.191	0.713	0.012	291.0	286.5	287.1	286.5
10	355.60	0.00	-44.00	51.232	0.976	0.012	291.0	286.5	286.9	286.1
11	355.60	0.00	-42.00	51.547	1.341	0.012	290.6	286.5	286.4	285.3
12	355.60	0.00	-40.00	51.548	1.876	0.012	290.6	286.5	286.3	284.8
13	355.60	0.00	-38.00	51.553	2.358	0.012	291.4	286.5	286.0	284.1
14	355.60	0.00	-36.00	51.555	3.181	0.011	291.8	286.5	286.1	283.5
15	355.60	0.00	-34.00	51.565	3.721	0.011	292.4	286.5	286.2	283.2
16	355.60	0.00	-32.00	51.570	4.714	0.011	292.7	286.6	285.7	281.9

17	355.60	0.00	-30.00	51.564	5.656	0.012	293.0	286.6	285.6	281.1
18	355.60	0.00	-28.00	51.570	6.819	0.012	293.0	286.6	285.4	280.0
19	355.60	0.00	-26.00	51.561	8.123	0.011	292.7	286.6	285.0	278.6
20	355.60	0.00	-24.00	51.544	9.527	0.012	292.2	286.7	285.1	277.7
21	355.60	0.00	-22.00	51.858	11.197	0.012	291.9	286.7	285.1	276.4
22	355.60	0.00	-20.00	51.826	13.083	0.012	291.8	286.6	284.8	274.8
23	355.60	0.00	-18.00	51.828	14.767	0.012	291.8	286.7	285.1	273.9
24	355.60	0.00	-16.00	51.819	16.951	0.011	292.1	286.7	284.9	272.2
25	355.60	0.00	-14.00	51.791	19.059	0.011	292.1	286.7	285.2	271.1
26	355.60	0.00	-12.00	51.806	21.356	0.012	292.2	286.7	284.8	269.2
27	355.60	0.00	-10.00	51.790	23.122	0.012	292.1	286.7	285.0	268.3
28	355.60	0.00	-8.00	51.069	24.540	0.012	292.2	286.7	285.4	267.8
29	355.60	0.00	-6.00	51.087	26.038	0.012	291.9	286.7	285.3	266.7
30	355.60	0.00	-4.00	51.095	26.968	0.012	291.5	286.6	285.0	265.9
31	355.60	0.00	-2.00	51.076	27.580	0.012	291.4	286.7	284.9	265.4
32	355.60	0.00	0.00	51.076	27.416	0.012	291.6	286.7	285.2	265.8
33	355.60	0.00	2.00	51.082	26.837	0.012	291.7	286.7	285.1	266.1
34	355.60	0.00	4.00	51.123	25.941	0.012	291.7	286.7	284.7	266.2
35	355.60	0.00	6.00	51.093	24.652	0.012	291.8	286.7	284.9	267.2
36	355.60	0.00	8.00	51.134	23.055	0.012	291.8	286.7	284.8	268.1
37	355.60	0.00	10.00	51.137	21.417	0.012	291.8	286.7	284.4	268.8

File : TAB144T

4-NOV-88
4-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, -14 DEG.

C1 : X/D = 7
C2 : DIAGONAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.223 kPa

Mean gauged plenum pressure : 50.833 kPa
RMS gauged plenum pressure : 0.049 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	-110.00	0.00	50.827	0.013	0.012	289.0	285.3	288.0	288.0
3	355.60	-106.00	0.00	50.821	0.015	0.012	289.1	285.3	287.8	287.8
4	355.60	-102.00	0.00	50.810	0.021	0.012	289.3	285.3	287.8	287.8
5	355.60	-98.00	0.00	50.795	0.038	0.012	289.3	285.3	287.4	287.4
6	355.60	-94.00	0.00	50.805	0.135	0.013	288.7	285.3	287.2	287.1
7	355.60	-90.00	0.00	50.790	0.207	0.012	288.4	285.4	287.1	286.9
8	355.60	-86.00	0.00	50.778	0.515	0.012	288.2	285.4	286.9	286.5
9	355.60	-82.00	0.00	50.784	0.824	0.012	288.1	285.4	286.7	286.0
10	355.60	-78.00	0.00	50.778	1.212	0.012	288.1	285.4	286.7	285.7
11	355.60	-74.00	0.00	50.789	1.892	0.012	288.1	285.4	286.5	284.9
12	355.60	-70.00	0.00	50.790	2.115	0.012	288.2	285.5	286.4	284.6
13	355.60	-66.00	0.00	50.769	2.781	0.012	288.2	285.5	286.2	283.9
14	355.60	-62.00	0.00	50.807	3.809	0.012	288.2	285.5	286.0	282.9
15	355.60	-58.00	0.00	50.800	4.900	0.012	288.2	285.4	285.7	281.7
16	355.60	-54.00	0.00	50.799	6.383	0.012	288.2	285.5	285.5	280.4

17	355.60	-50.00	0.00	50.799	7.219	0.012	288.2	285.5	285.4	279.6
18	355.60	-46.00	0.00	50.776	8.370	0.012	288.2	285.5	285.2	278.5
19	355.60	-42.00	0.00	50.787	10.159	0.013	288.1	285.5	285.1	277.1
20	355.60	-38.00	0.00	50.806	12.446	0.012	288.1	285.5	284.8	275.1
21	355.60	-34.00	0.00	50.851	14.217	0.013	288.2	285.5	284.7	273.8
22	355.60	-30.00	0.00	50.893	16.027	0.012	288.2	285.5	284.5	272.3
23	355.60	-26.00	0.00	50.883	18.093	0.012	288.2	285.5	284.3	270.7
24	355.60	-22.00	0.00	50.884	20.136	0.013	288.2	285.5	284.3	269.4
25	355.60	-18.00	0.00	50.879	22.187	0.013	288.2	285.5	284.1	267.9
26	355.60	-14.00	0.00	50.884	23.936	0.014	288.1	285.5	284.0	266.7
27	355.60	-10.00	0.00	50.889	25.442	0.013	288.2	285.5	284.0	265.7
28	355.60	-6.00	0.00	50.896	26.434	0.014	288.2	285.5	283.9	265.0
29	355.60	-2.00	0.00	50.892	27.394	0.018	288.2	285.5	283.7	264.2
30	355.60	2.00	0.00	50.903	27.639	0.016	288.1	285.5	283.7	264.1
31	355.60	6.00	0.00	50.899	27.587	0.016	288.2	285.5	283.7	264.1
32	355.60	10.00	0.00	50.903	27.188	0.020	288.2	285.5	283.7	264.4

File : TAB128T

27-OCT-88
27-OCT-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
X/D = 5, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : OFFSET -0.5MM
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 50.960 kPa
RMS gauged plenum pressure : 0.084 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	-0.50	51.048	0.026	0.014	283.9	285.3	283.6	283.6
3	254.00	-96.00	-0.50	51.045	0.042	0.012	284.0	285.2	283.7	283.7
4	254.00	-92.00	-0.50	51.057	0.127	0.013	283.9	285.3	283.5	283.4
5	254.00	-88.00	-0.50	51.046	0.391	0.015	283.9	285.3	283.4	283.1
6	254.00	-84.00	-0.50	51.064	0.793	0.012	283.9	285.3	283.5	282.8
7	254.00	-80.00	-0.50	51.075	1.288	0.013	284.0	285.2	283.6	282.5
8	254.00	-76.00	-0.50	51.060	1.970	0.015	284.0	285.2	283.7	282.1
9	254.00	-72.00	-0.50	51.062	2.761	0.013	284.1	285.3	283.6	281.4
10	254.00	-68.00	-0.50	51.056	3.856	0.016	284.0	285.2	283.5	280.4
11	254.00	-64.00	-0.50	51.060	5.296	0.016	284.0	285.2	283.4	279.2
12	254.00	-60.00	-0.50	51.044	6.569	0.014	284.0	285.2	283.2	278.0
13	254.00	-56.00	-0.50	51.068	8.306	0.017	284.0	285.2	283.1	276.6
14	254.00	-52.00	-0.50	51.061	10.158	0.016	284.0	285.2	283.0	275.1
15	254.00	-48.00	-0.50	51.040	12.455	0.016	284.0	285.3	282.7	273.2
16	254.00	-44.00	-0.50	51.039	15.279	0.015	284.0	285.2	282.6	271.2

17	254.00	-40.00	-0.50	51.032	18.443	0.014	284.0	285.2	282.7	269.1
18	254.00	-36.00	-0.50	51.033	21.836	0.016	284.0	285.2	282.5	266.7
19	254.00	-32.00	-0.50	51.033	25.185	0.017	284.0	285.3	282.5	264.6
20	254.00	-28.00	-0.50	51.026	28.065	0.016	284.0	285.2	282.2	262.6
21	254.00	-24.00	-0.50	51.004	30.315	0.018	284.1	285.3	281.9	261.0
22	254.00	-20.00	-0.50	50.994	32.322	0.016	284.1	285.2	281.7	259.7
23	254.00	-16.00	-0.50	51.006	34.307	0.017	284.1	285.2	281.4	258.3
24	254.00	-12.00	-0.50	50.996	36.208	0.014	284.1	285.2	281.2	257.1
25	254.00	-8.00	-0.50	50.976	37.172	0.016	284.2	285.2	281.2	256.5
26	254.00	-4.00	-0.50	50.969	37.571	0.017	284.1	285.3	281.0	256.1
27	254.00	0.00	-0.50	50.937	37.779	0.017	284.1	285.3	281.0	256.0
28	254.00	4.00	-0.50	50.911	37.698	0.015	284.1	285.2	280.9	256.0
29	254.00	8.00	-0.50	50.882	37.797	0.019	284.1	285.2	281.0	256.0
30	254.00	12.00	-0.50	50.883	37.761	0.019	284.2	285.3	281.0	256.0
31	254.00	16.00	-0.50	50.897	37.892	0.019	284.2	285.3	281.1	256.0
32	254.00	20.00	-0.50	50.927	37.286	0.022	284.2	285.2	281.3	256.6
33	254.00	24.00	-0.50	50.920	35.513	0.021	284.2	285.3	281.7	257.9
34	254.00	28.00	-0.50	50.922	32.193	0.017	284.3	285.2	281.9	259.9
35	254.00	32.00	-0.50	50.928	28.069	0.017	284.3	285.3	282.1	262.5
36	254.00	36.00	-0.50	50.925	23.000	0.020	284.3	285.3	282.2	265.7
37	254.00	40.00	-0.50	50.955	18.296	0.022	284.3	285.3	282.1	268.7
38	254.00	44.00	-0.50	50.916	14.302	0.023	284.3	285.3	282.2	271.4
39	254.00	48.00	-0.50	50.911	10.920	0.019	284.4	285.3	282.7	274.3
40	254.00	52.00	-0.50	50.916	8.970	0.021	284.4	285.3	282.9	275.9
41	254.00	56.00	-0.50	50.927	7.747	0.018	284.4	285.3	283.1	277.0
42	254.00	60.00	-0.50	50.902	6.031	0.023	284.5	285.3	283.5	278.7
43	254.00	64.00	-0.50	50.888	5.215	0.022	284.4	285.3	283.6	279.4
44	254.00	68.00	-0.50	50.882	3.358	0.023	284.5	285.3	283.9	281.2
45	254.00	72.00	-0.50	50.871	2.873	0.020	284.4	285.3	284.0	281.7
46	254.00	76.00	-0.50	50.881	2.295	0.018	284.5	285.3	284.0	282.1
47	254.00	80.00	-0.50	50.868	1.698	0.023	284.5	285.3	284.1	282.7
48	254.00	84.00	-0.50	50.856	0.904	0.019	284.5	285.3	284.3	283.6
49	254.00	88.00	-0.50	50.853	0.586	0.022	284.5	285.3	284.1	283.6
50	254.00	92.00	-0.50	50.815	0.232	0.018	284.6	285.3	284.3	284.1
51	254.00	96.00	-0.50	50.796	0.070	0.020	284.6	285.3	284.3	284.2
52	254.00	100.00	-0.50	50.792	0.017	0.021	284.6	285.3	284.3	284.3

File : TAB127T

27-OCT-88
27-OCT-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
X/D = 5, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.307 kPa

Mean gauged plenum pressure : 51.004 kPa
RMS gauged plenum pressure : 0.029 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	0.00	-40.00	50.974	0.243	0.014	283.4	285.2	282.0	281.8
3	254.00	0.00	-39.00	51.004	0.299	0.015	283.4	285.2	282.0	281.8
4	254.00	0.00	-38.00	51.001	0.440	0.013	283.4	285.2	281.9	281.5
5	254.00	0.00	-37.00	50.998	0.567	0.013	283.4	285.2	281.6	281.1
6	254.00	0.00	-36.00	50.963	0.725	0.013	283.4	285.2	281.6	281.0
7	254.00	0.00	-35.00	50.970	0.948	0.015	283.4	285.2	281.5	280.7
8	254.00	0.00	-34.00	50.976	1.204	0.013	283.3	285.2	281.4	280.4
9	254.00	0.00	-33.00	50.997	1.555	0.013	283.4	285.2	281.2	279.9
10	254.00	0.00	-32.00	50.983	1.834	0.013	283.4	285.2	281.0	279.5
11	254.00	0.00	-31.00	50.990	2.306	0.013	283.4	285.2	281.0	279.1
12	254.00	0.00	-30.00	51.004	2.685	0.013	283.4	285.2	280.8	278.6
13	254.00	0.00	-29.00	51.006	3.133	0.013	283.4	285.2	280.9	278.4
14	254.00	0.00	-28.00	51.011	3.721	0.013	283.3	285.2	280.7	277.7
15	254.00	0.00	-27.00	51.030	4.368	0.014	283.3	285.2	280.5	277.0
16	254.00	0.00	-26.00	51.042	5.002	0.013	283.4	285.2	280.6	276.6

17	254.00	0.00	-25.00	51.037	5.846	0.014	283.4	285.2	280.5	275.9
18	254.00	0.00	-24.00	51.027	6.588	0.014	283.4	285.2	280.5	275.3
19	254.00	0.00	-23.00	51.034	7.510	0.014	283.4	285.2	280.5	274.7
20	254.00	0.00	-22.00	51.027	8.486	0.014	283.4	285.2	280.4	273.8
21	254.00	0.00	-21.00	50.998	9.534	0.013	283.4	285.2	280.5	273.2
22	254.00	0.00	-20.00	50.997	10.561	0.014	283.4	285.2	280.5	272.4
23	254.00	0.00	-19.00	50.997	11.826	0.013	283.5	285.2	280.6	271.6
24	254.00	0.00	-18.00	51.019	13.231	0.017	283.5	285.2	280.4	270.4
25	254.00	0.00	-17.00	51.017	14.762	0.016	283.5	285.2	280.4	269.4
26	254.00	0.00	-16.00	51.008	16.155	0.017	283.5	285.2	280.5	268.5
27	254.00	0.00	-15.00	51.008	17.869	0.018	283.5	285.2	280.5	267.4
28	254.00	0.00	-14.00	51.008	19.557	0.015	283.5	285.2	280.5	266.3
29	254.00	0.00	-13.00	50.981	21.224	0.016	283.5	285.2	280.6	265.3
30	254.00	0.00	-12.00	50.985	23.348	0.016	283.5	285.2	280.6	264.0
31	254.00	0.00	-11.00	50.994	25.153	0.015	283.5	285.2	280.6	262.9
32	254.00	0.00	-10.00	50.991	27.151	0.016	283.5	285.2	280.7	261.8
33	254.00	0.00	-9.00	50.983	28.885	0.018	283.5	285.2	280.7	260.7
34	254.00	0.00	-8.00	51.001	30.560	0.018	283.5	285.2	280.7	259.8
35	254.00	0.00	-7.00	51.024	32.310	0.019	283.6	285.2	280.8	258.9
36	254.00	0.00	-6.00	51.028	33.892	0.018	283.5	285.2	280.7	257.9
37	254.00	0.00	-5.00	51.030	35.187	0.020	283.5	285.2	280.7	257.1
38	254.00	0.00	-4.00	51.053	36.150	0.019	283.5	285.2	280.8	256.7
39	254.00	0.00	-3.00	51.044	37.084	0.016	283.5	285.2	280.9	256.3
40	254.00	0.00	-2.00	51.034	37.624	0.017	283.5	285.2	280.8	255.9
41	254.00	0.00	-1.00	51.060	37.911	0.017	283.5	285.2	280.8	255.8
42	254.00	0.00	0.00	51.060	37.910	0.018	283.6	285.2	280.9	255.8
43	254.00	0.00	1.00	51.032	37.288	0.020	283.6	285.2	280.8	256.1
44	254.00	0.00	2.00	51.030	36.645	0.019	283.6	285.2	280.7	256.3
45	254.00	0.00	3.00	51.000	35.792	0.020	283.6	285.2	280.6	256.7
46	254.00	0.00	4.00	51.003	34.889	0.018	283.6	285.2	280.6	257.2
47	254.00	0.00	5.00	51.010	33.578	0.020	283.7	285.2	280.5	257.9
48	254.00	0.00	6.00	50.976	32.327	0.018	283.6	285.2	280.3	258.4
49	254.00	0.00	7.00	50.967	30.719	0.021	283.6	285.2	280.3	259.3
50	254.00	0.00	8.00	50.958	29.198	0.019	283.6	285.2	280.2	260.1
51	254.00	0.00	9.00	50.971	27.511	0.017	283.6	285.2	280.1	261.0
52	254.00	0.00	10.00	50.949	26.127	0.020	283.7	285.2	280.0	261.7

File : TAB329T 20-FEB-89
20-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN
BASELINE

C1 : X/D = 5
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.205 kPa

Mean gauged plenum pressure : 51.035 kPa
RMS gauged plenum pressure : 0.149 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	51.191	0.035	0.013	278.8	279.4	278.6	278.6
3	254.00	-96.00	0.00	50.982	0.024	0.012	278.8	279.4	278.7	278.7
4	254.00	-92.00	0.00	51.070	0.090	0.014	278.7	279.6	278.6	278.5
5	254.00	-88.00	0.00	50.840	0.172	0.013	278.7	279.6	278.6	278.5
6	254.00	-84.00	0.00	50.885	0.431	0.014	278.8	279.6	278.6	278.3
7	254.00	-80.00	0.00	50.873	0.786	0.015	278.7	279.7	278.6	278.0
8	254.00	-76.00	0.00	50.839	1.470	0.014	278.7	279.7	278.6	277.4
9	254.00	-72.00	0.00	50.595	2.039	0.014	278.6	279.7	278.5	276.9
10	254.00	-68.00	0.00	50.993	2.984	0.016	278.7	279.8	278.6	276.2
11	254.00	-64.00	0.00	51.060	3.909	0.014	278.7	279.8	278.6	275.5
12	254.00	-60.00	0.00	51.191	5.251	0.017	278.8	279.8	278.6	274.5
13	254.00	-56.00	0.00	51.241	6.949	0.014	278.8	279.8	278.6	273.2
14	254.00	-52.00	0.00	51.152	8.035	0.017	278.7	279.8	278.6	272.4
15	254.00	-48.00	0.00	50.993	10.783	0.015	278.6	279.8	278.5	270.3

16	254.00	-44.00	0.00	51.114	13.729	0.017	278.7	279.9	278.6	268.4
17	254.00	-40.00	0.00	51.121	16.968	0.015	278.8	279.9	278.7	266.3
18	254.00	-36.00	0.00	51.012	20.760	0.015	278.8	279.9	278.7	263.8
19	254.00	-32.00	0.00	50.974	24.336	0.015	278.8	279.9	278.6	261.5
20	254.00	-28.00	0.00	50.989	27.926	0.015	278.7	279.9	278.6	259.3
21	254.00	-24.00	0.00	51.000	30.980	0.014	278.7	279.9	278.6	257.6
22	254.00	-20.00	0.00	50.917	32.787	0.017	278.7	279.9	278.6	256.5
23	254.00	-16.00	0.00	50.960	34.994	0.016	278.6	279.8	278.5	255.2
24	254.00	-12.00	0.00	51.008	36.412	0.014	278.6	279.9	278.6	254.5
25	254.00	-8.00	0.00	50.978	36.790	0.013	278.6	279.8	278.5	254.2
26	254.00	-4.00	0.00	50.987	36.732	0.014	278.6	279.8	278.5	254.3
27	254.00	0.00	0.00	51.043	36.015	0.013	278.7	279.8	278.6	254.8
28	254.00	4.00	0.00	51.141	35.226	0.014	278.7	279.8	278.6	255.2
29	254.00	8.00	0.00	51.249	34.106	0.013	278.7	279.9	278.6	255.8
30	254.00	12.00	0.00	51.228	32.737	0.013	278.8	279.9	278.6	256.6
31	254.00	16.00	0.00	51.081	31.582	0.013	278.7	279.9	278.6	257.2
32	254.00	20.00	0.00	51.139	29.746	0.015	278.7	279.9	278.6	258.3

File : TAB126T 27-OCT-88
27-OCT-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
X/D = 2, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : OFFSET 0.4MM
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.205 kPa

Mean gauged plenum pressure : 51.200 kPa
RMS gauged plenum pressure : 0.041 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	101.60	-75.00	0.40	51.241	0.012	0.016	283.0	285.3	282.7	282.7
3	101.60	-72.00	0.40	51.226	0.297	0.014	282.9	285.2	282.5	282.3
4	101.60	-69.00	0.40	51.203	1.390	0.014	283.0	285.3	282.5	281.4
5	101.60	-66.00	0.40	51.202	4.062	0.014	282.9	285.3	282.8	279.5
6	101.60	-63.00	0.40	51.196	8.326	0.013	282.9	285.3	283.3	276.8
7	101.60	-60.00	0.40	51.182	12.025	0.015	282.9	285.3	283.3	274.1
8	101.60	-57.00	0.40	51.200	14.428	0.015	283.0	285.3	283.2	272.3
9	101.60	-54.00	0.40	51.193	16.660	0.013	283.0	285.2	282.6	270.2
10	101.60	-51.00	0.40	51.209	19.859	0.016	283.1	285.3	282.0	267.5
11	101.60	-48.00	0.40	51.224	26.298	0.019	283.0	285.3	281.8	263.3
12	101.60	-45.00	0.40	51.213	35.320	0.017	283.0	285.3	281.3	257.6
13	101.60	-42.00	0.40	51.221	43.651	0.020	283.0	285.3	280.7	252.6
14	101.60	-39.00	0.40	51.232	49.200	0.019	283.0	285.2	279.5	248.8
15	101.60	-36.00	0.40	51.241	50.467	0.022	282.9	285.2	278.8	247.6
16	101.60	-33.00	0.40	51.261	50.879	0.020	282.9	285.2	278.6	247.2

17	101.60	-30.00	0.40	51.233	51.065	0.019	283.0	285.2	278.3	246.8
18	101.60	-27.00	0.40	51.247	51.129	0.018	283.0	285.2	278.3	246.8
19	101.60	-24.00	0.40	51.253	51.158	0.020	282.9	285.2	278.2	246.7
20	101.60	-21.00	0.40	51.273	51.154	0.017	283.0	285.2	278.3	246.8
21	101.60	-18.00	0.40	51.269	51.207	0.017	283.0	285.2	278.2	246.7
22	101.60	-15.00	0.40	51.258	51.283	0.018	283.0	285.2	278.1	246.6
23	101.60	-12.00	0.40	51.245	51.332	0.022	283.0	285.2	278.0	246.4
24	101.60	-9.00	0.40	51.231	51.331	0.023	282.9	285.2	277.9	246.4
25	101.60	-6.00	0.40	51.221	51.320	0.025	283.0	285.2	278.0	246.5
26	101.60	-3.00	0.40	51.226	51.257	0.021	283.0	285.2	278.0	246.5
27	101.60	0.00	0.40	51.227	51.241	0.017	283.0	285.2	278.2	246.7
28	101.60	3.00	0.40	51.221	51.250	0.024	283.1	285.2	278.1	246.6
29	101.60	6.00	0.40	51.217	51.304	0.023	283.0	285.2	278.0	246.5
30	101.60	9.00	0.40	51.222	51.297	0.019	283.0	285.2	278.0	246.5
31	101.60	12.00	0.40	51.226	51.304	0.020	283.0	285.2	278.0	246.5
32	101.60	15.00	0.40	51.187	51.289	0.025	283.0	285.2	278.0	246.5
33	101.60	18.00	0.40	51.187	51.263	0.022	283.0	285.2	278.0	246.5
34	101.60	21.00	0.40	51.174	51.195	0.022	283.0	285.2	278.0	246.5
35	101.60	24.00	0.40	51.176	51.170	0.019	283.0	285.2	278.1	246.6
36	101.60	27.00	0.40	51.171	51.149	0.021	283.0	285.2	278.1	246.6
37	101.60	30.00	0.40	51.172	51.065	0.016	283.0	285.2	278.1	246.7
38	101.60	33.00	0.40	51.168	50.466	0.023	283.0	285.2	278.5	247.3
39	101.60	36.00	0.40	51.185	49.095	0.017	283.0	285.2	279.2	248.6
40	101.60	39.00	0.40	51.170	46.624	0.022	283.0	285.2	279.9	250.4
41	101.60	42.00	0.40	51.153	41.381	0.016	283.0	285.3	280.7	253.8
42	101.60	45.00	0.40	51.124	35.198	0.022	283.1	285.3	281.3	257.7
43	101.60	48.00	0.40	51.139	25.802	0.023	283.2	285.3	281.8	263.6
44	101.60	51.00	0.40	51.127	19.157	0.016	283.2	285.3	282.0	268.0
45	101.60	54.00	0.40	51.148	14.434	0.017	283.2	285.4	282.3	271.4
46	101.60	57.00	0.40	51.146	11.421	0.020	283.4	285.4	283.1	274.3
47	101.60	60.00	0.40	51.153	9.240	0.017	283.4	285.4	283.6	276.4
48	101.60	63.00	0.40	51.155	6.630	0.025	283.5	285.4	283.9	278.6
49	101.60	66.00	0.40	51.175	4.628	0.021	283.6	285.3	283.6	279.9
50	101.60	69.00	0.40	51.148	2.234	0.018	283.6	285.3	283.3	281.5
51	101.60	72.00	0.40	51.170	0.585	0.017	283.5	285.3	283.2	282.7
52	101.60	75.00	0.40	51.161	0.157	0.020	283.5	285.3	283.0	282.9

File : TAB125T 27-OCT-88
27-OCT-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
X/D = 2, DRPJET

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.171 kPa

Mean gauged plenum pressure : 51.274 kPa
RMS gauged plenum pressure : 0.110 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	101.60	0.00	-20.00	51.057	1.523	0.023	283.8	283.4	280.9	279.7
3	101.60	0.00	-19.50	51.056	1.640	0.031	283.7	283.8	281.0	279.7
4	101.60	0.00	-19.00	51.047	2.065	0.029	283.7	284.0	280.8	279.1
5	101.60	0.00	-18.50	51.120	2.484	0.028	283.7	284.2	280.6	278.6
6	101.60	0.00	-18.00	51.101	3.027	0.033	283.7	284.4	280.5	278.1
7	101.60	0.00	-17.50	51.094	3.672	0.034	283.7	284.5	280.5	277.6
8	101.60	0.00	-17.00	51.136	4.397	0.032	283.6	284.6	280.3	276.8
9	101.60	0.00	-16.50	51.141	5.176	0.039	283.6	284.7	280.2	276.1
10	101.60	0.00	-16.00	51.221	6.014	0.040	283.6	284.8	280.2	275.5
11	101.60	0.00	-15.50	51.220	7.000	0.042	283.6	284.9	280.0	274.5
12	101.60	0.00	-15.00	51.232	8.166	0.045	283.6	285.0	280.0	273.7
13	101.60	0.00	-14.50	51.317	9.361	0.045	283.6	285.1	279.9	272.7
14	101.60	0.00	-14.00	51.478	10.749	0.045	283.5	285.1	279.9	271.7
15	101.60	0.00	-13.50	51.499	12.215	0.049	283.6	285.2	279.8	270.6
16	101.60	0.00	-13.00	51.537	13.756	0.052	283.5	285.2	279.9	269.6

17	101.60	0.00	-12.50	51.631	15.511	0.052	283.6	285.2	279.9	268.4
18	101.60	0.00	-12.00	51.253	17.426	0.058	283.5	285.2	280.0	267.2
19	101.60	0.00	-11.50	51.259	19.561	0.059	283.6	285.3	280.1	265.9
20	101.60	0.00	-11.00	51.255	21.570	0.058	283.6	285.3	280.1	264.6
21	101.60	0.00	-10.50	51.257	23.803	0.058	283.5	285.3	280.2	263.3
22	101.60	0.00	-10.00	51.278	26.196	0.061	283.5	285.3	280.3	261.9
23	101.60	0.00	-9.50	51.285	28.673	0.062	283.5	285.3	280.4	260.6
24	101.60	0.00	-9.00	51.290	31.117	0.063	283.5	285.3	280.4	259.1
25	101.60	0.00	-8.50	51.302	33.568	0.060	283.5	285.3	280.5	257.8
26	101.60	0.00	-8.00	51.298	35.947	0.055	283.5	285.4	280.6	256.6
27	101.60	0.00	-7.50	51.282	38.191	0.055	283.5	285.4	280.6	255.4
28	101.60	0.00	-7.00	51.300	40.191	0.056	283.5	285.4	280.6	254.3
29	101.60	0.00	-6.50	51.308	42.132	0.056	283.5	285.4	280.4	253.1
30	101.60	0.00	-6.00	51.308	43.601	0.055	283.5	285.4	280.3	252.3
31	101.60	0.00	-5.50	51.293	45.106	0.047	283.5	285.4	280.1	251.3
32	101.60	0.00	-5.00	51.299	46.482	0.055	283.5	285.4	280.0	250.6
33	101.60	0.00	-4.50	51.288	47.635	0.054	283.5	285.4	279.7	249.7
34	101.60	0.00	-4.00	51.282	48.566	0.054	283.5	285.4	279.5	249.1
35	101.60	0.00	-3.50	51.252	49.235	0.051	283.5	285.4	279.3	248.6
36	101.60	0.00	-3.00	51.258	49.753	0.051	283.4	285.4	279.1	248.2
37	101.60	0.00	-2.50	51.290	50.176	0.049	283.4	285.4	278.9	247.8
38	101.60	0.00	-2.00	51.306	50.567	0.048	283.5	285.4	278.8	247.5
39	101.60	0.00	-1.50	51.307	50.837	0.047	283.4	285.4	278.6	247.2
40	101.60	0.00	-1.00	51.309	51.066	0.044	283.4	285.4	278.5	247.0
41	101.60	0.00	-0.50	51.324	51.202	0.038	283.4	285.4	278.4	246.9
42	101.60	0.00	0.00	51.326	51.267	0.039	283.4	285.4	278.4	246.8
43	101.60	0.00	0.50	51.322	51.292	0.033	283.4	285.4	278.3	246.7
44	101.60	0.00	1.00	51.319	51.251	0.034	283.3	285.4	278.4	246.8
45	101.60	0.00	1.50	51.309	51.163	0.029	283.3	285.4	278.3	246.8
46	101.60	0.00	2.00	51.307	51.053	0.026	283.3	285.4	278.5	247.0
47	101.60	0.00	2.50	51.300	50.829	0.030	283.3	285.4	278.6	247.2
48	101.60	0.00	3.00	51.296	50.479	0.028	283.3	285.4	278.7	247.5
49	101.60	0.00	3.50	51.264	50.044	0.020	283.3	285.4	278.8	247.8
50	101.60	0.00	4.00	51.264	49.437	0.017	283.3	285.4	279.0	248.2
51	101.60	0.00	4.50	51.284	48.808	0.014	283.3	285.4	279.1	248.6
52	101.60	0.00	5.00	51.282	48.003	0.014	283.3	285.4	279.3	249.2

File : TAB137T 1-NOV-88
1-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
-14 DEG, DRPTAB

C1 : X/D = 2
C2 : DIAGONAL
C3 : 0
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.833 kPa

Mean gauged plenum pressure : 51.045 kPa
RMS gauged plenum pressure : 0.130 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	101.60	-80.00	0.00	50.760	0.012	0.013	288.1	285.4	287.4	287.4
3	101.60	-78.00	0.00	50.724	0.009	0.012	288.0	285.4	288.0	288.0
4	101.60	-76.00	0.00	51.051	0.008	0.012	288.1	285.5	288.1	288.1
5	101.60	-74.00	0.00	51.175	0.006	0.012	288.0	285.5	287.9	287.9
6	101.60	-72.00	0.00	51.157	0.003	0.011	288.1	285.6	287.5	287.5
7	101.60	-70.00	0.00	51.160	0.002	0.011	288.1	285.6	287.4	287.4
8	101.60	-68.00	0.00	51.148	0.005	0.011	288.2	285.6	287.4	287.4
9	101.60	-66.00	0.00	51.131	0.007	0.011	288.3	285.7	287.0	287.0
10	101.60	-64.00	0.00	51.130	0.155	0.010	288.4	285.7	286.8	286.7
11	101.60	-62.00	0.00	51.116	0.475	0.011	288.4	285.7	286.5	286.1
12	101.60	-60.00	0.00	51.104	0.440	0.010	288.4	285.7	286.2	285.8
13	101.60	-58.00	0.00	51.073	0.901	0.010	288.4	285.8	285.6	284.9
14	101.60	-56.00	0.00	51.073	1.162	0.010	288.3	285.8	285.1	284.1
15	101.60	-54.00	0.00	51.078	1.347	0.010	288.2	285.8	284.7	283.6
16	101.60	-52.00	0.00	51.093	1.761	0.010	288.3	285.8	284.0	282.6

17	101.60	-50.00	0.00	51.122	2.602	0.010	288.4	285.8	283.3	281.2
18	101.60	-48.00	0.00	51.137	4.589	0.010	288.4	285.8	282.8	279.1
19	101.60	-46.00	0.00	51.156	8.381	0.010	288.4	285.8	281.6	275.1
20	101.60	-44.00	0.00	51.152	12.948	0.010	288.5	285.9	281.8	271.9
21	101.60	-42.00	0.00	51.131	18.089	0.010	288.7	285.9	281.8	268.4
22	101.60	-40.00	0.00	51.142	22.619	0.010	288.7	285.9	281.9	265.6
23	101.60	-38.00	0.00	51.127	28.092	0.010	288.7	285.8	281.9	262.2
24	101.60	-36.00	0.00	51.110	31.534	0.010	288.5	285.8	281.9	260.2
25	101.60	-34.00	0.00	51.098	35.504	0.011	288.3	285.8	281.9	258.0
26	101.60	-32.00	0.00	51.064	38.342	0.010	288.6	285.8	281.7	256.2
27	101.60	-30.00	0.00	51.064	41.627	0.010	288.9	285.8	281.5	254.3
28	101.60	-28.00	0.00	51.049	44.120	0.010	288.9	285.8	281.0	252.6
29	101.60	-26.00	0.00	51.037	45.926	0.010	289.1	285.8	280.6	251.3
30	101.60	-24.00	0.00	51.037	47.110	0.010	289.1	285.8	280.3	250.4
31	101.60	-22.00	0.00	51.047	48.172	0.010	289.1	285.8	280.0	249.7
32	101.60	-20.00	0.00	51.040	48.976	0.010	288.7	285.8	279.8	249.1
33	101.60	-18.00	0.00	51.051	49.603	0.010	288.5	285.8	279.5	248.5
34	101.60	-16.00	0.00	51.043	50.117	0.011	288.4	285.8	279.4	248.2
35	101.60	-14.00	0.00	51.029	50.425	0.011	288.2	285.8	279.1	247.8
36	101.60	-12.00	0.00	51.023	50.695	0.011	288.3	285.8	278.9	247.5
37	101.60	-10.00	0.00	51.013	50.846	0.011	288.3	285.8	278.8	247.3
38	101.60	-8.00	0.00	51.014	50.934	0.011	288.4	285.8	278.8	247.3
39	101.60	-6.00	0.00	51.024	50.990	0.011	288.5	285.8	278.8	247.2
40	101.60	-4.00	0.00	51.021	50.976	0.011	288.6	285.8	278.8	247.2
41	101.60	-2.00	0.00	51.025	50.932	0.012	288.6	285.9	278.9	247.3
42	101.60	0.00	0.00	51.035	50.907	0.012	288.4	285.8	279.0	247.4
43	101.60	2.00	0.00	51.035	50.830	0.012	288.5	285.9	279.1	247.6
44	101.60	4.00	0.00	51.073	50.825	0.012	288.6	285.8	279.1	247.6
45	101.60	6.00	0.00	51.092	50.768	0.012	288.7	285.9	279.1	247.6
46	101.60	8.00	0.00	51.101	50.539	0.012	288.4	285.8	279.3	247.9
47	101.60	10.00	0.00	51.102	50.248	0.012	288.5	285.8	279.5	248.2
48	101.60	12.00	0.00	51.122	49.945	0.012	288.6	285.8	279.7	248.5
49	101.60	14.00	0.00	51.097	49.699	0.012	288.7	285.9	279.8	248.7
50	101.60	16.00	0.00	50.777	49.148	0.013	288.7	285.9	279.9	249.1
51	101.60	18.00	0.00	50.782	48.669	0.013	288.7	285.9	280.1	249.5
52	101.60	20.00	0.00	50.776	48.035	0.013	289.0	285.9	280.4	250.1

File : TAB135T

29-OCT-88
29-OCT-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB

C1 : X/D = 1
C2 : ZERO
C3 : VARIABLE
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 51.202 kPa
RMS gauged plenum pressure : 0.094 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	50.80	0.00	-20.00	51.427	0.031	0.020	290.8	286.2	288.5	288.5
3	50.80	0.00	-19.50	51.349	0.018	0.024	290.6	286.2	289.6	289.6
4	50.80	0.00	-19.00	51.313	0.014	0.025	290.6	286.2	289.6	289.6
5	50.80	0.00	-18.50	51.279	0.013	0.023	290.7	286.3	289.6	289.6
6	50.80	0.00	-18.00	51.241	0.013	0.022	290.6	286.3	289.1	289.1
7	50.80	0.00	-17.50	51.233	0.014	0.025	290.6	286.4	288.9	288.9
8	50.80	0.00	-17.00	51.223	0.025	0.027	290.7	286.4	288.5	288.5
9	50.80	0.00	-16.50	51.262	0.118	0.025	290.8	286.4	288.3	288.2
10	50.80	0.00	-16.00	51.270	0.292	0.032	290.7	286.4	287.6	287.4
11	50.80	0.00	-15.50	51.263	0.683	0.033	290.7	286.4	287.2	286.6
12	50.80	0.00	-15.00	51.253	1.334	0.034	290.7	286.5	286.2	285.1
13	50.80	0.00	-14.50	51.264	2.183	0.030	290.7	286.5	285.5	283.7
14	50.80	0.00	-14.00	51.270	3.436	0.031	290.8	286.6	284.9	282.1
15	50.80	0.00	-13.50	51.270	4.944	0.033	290.7	286.5	284.4	280.4
16	50.80	0.00	-13.00	51.252	6.982	0.036	290.9	286.6	284.3	278.8

17	50.80	0.00	-12.50	51.253	9.530	0.037	290.9	286.6	283.7	276.3
18	50.80	0.00	-12.00	51.229	12.595	0.039	291.1	286.6	283.5	273.9
19	50.80	0.00	-11.50	51.248	16.045	0.037	291.7	286.6	283.6	271.6
20	50.80	0.00	-11.00	51.246	19.753	0.036	292.0	286.6	283.3	268.9
21	50.80	0.00	-10.50	51.232	24.462	0.031	292.2	286.7	283.3	265.9
22	50.80	0.00	-10.00	51.220	29.695	0.037	292.4	286.7	283.2	262.6
23	50.80	0.00	-9.50	51.224	34.561	0.035	292.6	286.7	283.1	259.8
24	50.80	0.00	-9.00	51.218	39.377	0.032	292.4	286.7	282.8	256.9
25	50.80	0.00	-8.50	51.204	43.189	0.036	291.9	286.8	282.5	254.6
26	50.80	0.00	-8.00	51.225	46.355	0.036	291.6	286.7	282.0	252.5
27	50.80	0.00	-7.50	51.197	48.412	0.035	291.4	286.7	281.6	251.2
28	50.80	0.00	-7.00	51.199	49.728	0.036	291.5	286.8	281.1	250.1
29	50.80	0.00	-6.50	51.189	50.432	0.035	291.6	286.8	280.7	249.4
30	50.80	0.00	-6.00	51.200	50.823	0.037	291.6	286.8	280.5	249.0
31	50.80	0.00	-5.50	51.186	51.029	0.034	291.7	286.8	280.2	248.6
32	50.80	0.00	-5.00	51.192	51.152	0.037	291.6	286.8	280.1	248.5
33	50.80	0.00	-4.50	51.181	51.228	0.032	291.7	286.8	280.0	248.4
34	50.80	0.00	-4.00	51.184	51.221	0.034	291.8	286.8	279.9	248.3
35	50.80	0.00	-3.50	51.171	51.232	0.037	291.7	286.9	279.9	248.3
36	50.80	0.00	-3.00	51.164	51.219	0.035	291.8	286.9	279.9	248.3
37	50.80	0.00	-2.50	51.175	51.235	0.033	292.0	286.9	279.9	248.3
38	50.80	0.00	-2.00	51.187	51.238	0.034	291.9	286.9	279.9	248.3
39	50.80	0.00	-1.50	51.171	51.238	0.037	291.9	286.9	279.9	248.3
40	50.80	0.00	-1.00	51.179	51.229	0.034	291.8	286.9	279.9	248.3
41	50.80	0.00	-0.50	51.128	51.195	0.029	292.0	286.9	279.9	248.3
42	50.80	0.00	0.00	51.122	51.171	0.029	292.1	286.9	279.9	248.3
43	50.80	0.00	0.50	51.101	51.158	0.026	292.3	286.9	279.9	248.3
44	50.80	0.00	1.00	51.098	51.151	0.027	292.3	286.9	279.8	248.2
45	50.80	0.00	1.50	51.109	51.152	0.031	292.4	286.9	279.8	248.2
46	50.80	0.00	2.00	51.106	51.142	0.030	292.2	286.9	279.8	248.2
47	50.80	0.00	2.50	51.092	51.130	0.028	292.2	286.9	279.7	248.2
48	50.80	0.00	3.00	51.068	51.105	0.030	292.1	286.9	279.6	248.1
49	50.80	0.00	3.50	51.084	51.097	0.031	292.0	286.9	279.6	248.1
50	50.80	0.00	4.00	51.042	51.021	0.027	292.1	286.9	279.6	248.1
51	50.80	0.00	4.50	51.039	50.907	0.026	292.2	286.9	279.7	248.3
52	50.80	0.00	5.00	51.060	50.679	0.027	292.1	286.9	280.0	248.6

File : TAB136T 1-NOV-88
1-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
-14 DEG, DRPTAB

C1 : X/D = 1
C2 : DIAGONAL
C3 : 0
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.901 kPa

Mean gauged plenum pressure : 51.272 kPa
RMS gauged plenum pressure : 0.060 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
1	50.80	0.00	0.00	51.211	51.384	0.016	284.0	284.5	277.4	245.8
2	50.80	-60.00	0.00	51.196	0.031	0.017	284.0	284.6	283.6	283.6
3	50.80	-58.00	0.00	51.199	0.013	0.023	283.9	284.7	283.5	283.5
4	50.80	-56.00	0.00	51.222	0.013	0.026	283.9	284.8	283.5	283.5
5	50.80	-54.00	0.00	51.234	0.009	0.028	284.0	284.8	283.3	283.3
6	50.80	-52.00	0.00	51.245	0.009	0.033	284.1	284.9	282.9	282.9
7	50.80	-50.00	0.00	51.279	0.009	0.034	284.3	285.0	282.2	282.2
8	50.80	-48.00	0.00	51.281	0.454	0.039	284.3	285.1	280.6	280.2
9	50.80	-46.00	0.00	51.300	6.064	0.040	284.2	285.1	275.7	271.0
10	50.80	-44.00	0.00	51.318	15.562	0.044	284.3	285.1	277.4	265.9
11	50.80	-42.00	0.00	51.306	29.140	0.044	284.3	285.1	280.6	260.4
12	50.80	-40.00	0.00	51.335	36.086	0.047	284.3	285.2	281.8	257.6
13	50.80	-38.00	0.00	51.352	39.111	0.048	284.3	285.2	282.4	256.5
14	50.80	-36.00	0.00	51.335	39.774	0.049	284.3	285.2	282.0	255.8
15	50.80	-34.00	0.00	51.297	44.256	0.053	284.3	285.3	281.3	252.8

16	50.80	-32.00	0.00	51.290	48.582	0.053	284.3	285.3	279.8	249.3
17	50.80	-30.00	0.00	51.293	50.461	0.055	284.3	285.3	278.9	247.6
18	50.80	-28.00	0.00	51.284	50.806	0.055	284.2	285.3	278.4	247.0
19	50.80	-26.00	0.00	51.283	51.229	0.062	284.0	285.2	278.0	246.4
20	50.80	-24.00	0.00	51.274	51.357	0.059	284.0	285.2	278.0	246.4
21	50.80	-22.00	0.00	51.267	51.423	0.061	284.0	285.2	278.0	246.3
22	50.80	-20.00	0.00	51.256	51.426	0.060	284.1	285.3	278.1	246.4
23	50.80	-18.00	0.00	51.270	51.436	0.063	284.3	285.3	278.1	246.4
24	50.80	-16.00	0.00	51.254	51.432	0.068	284.4	285.3	278.1	246.4
25	50.80	-14.00	0.00	51.264	51.435	0.069	284.4	285.3	278.1	246.4
26	50.80	-12.00	0.00	51.288	51.471	0.067	284.5	285.3	278.1	246.4
27	50.80	-10.00	0.00	51.313	51.492	0.071	284.7	285.3	278.1	246.4
28	50.80	-8.00	0.00	51.345	51.512	0.073	284.8	285.4	278.2	246.5
29	50.80	-6.00	0.00	51.343	51.523	0.075	284.8	285.4	278.2	246.5
30	50.80	-4.00	0.00	51.361	51.544	0.079	284.9	285.4	278.2	246.4
31	50.80	-2.00	0.00	51.364	51.542	0.076	284.9	285.4	278.2	246.4
32	50.80	0.00	0.00	51.353	51.522	0.075	285.0	285.4	278.3	246.5
33	50.80	2.00	0.00	51.339	51.526	0.078	285.0	285.5	278.4	246.6
34	50.80	4.00	0.00	51.326	51.503	0.076	285.1	285.5	278.4	246.6
35	50.80	6.00	0.00	51.297	51.469	0.074	285.2	285.5	278.5	246.8
36	50.80	8.00	0.00	51.255	51.423	0.074	285.3	285.5	278.5	246.8
37	50.80	10.00	0.00	51.226	51.407	0.076	285.4	285.5	278.4	246.7
38	50.80	12.00	0.00	51.225	51.380	0.071	285.4	285.5	278.5	246.8
39	50.80	14.00	0.00	51.188	51.346	0.072	285.4	285.5	278.5	246.8
40	50.80	16.00	0.00	51.173	51.324	0.077	285.4	285.5	278.5	246.8
41	50.80	18.00	0.00	51.154	51.295	0.074	285.6	285.5	278.6	246.9
42	50.80	20.00	0.00	51.149	51.266	0.070	285.7	285.6	278.7	247.0
43	50.80	0.00	0.00	51.137	51.295	0.066	285.8	285.5	278.4	246.7

File : TAB337T 24-FEB-89
24-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 635 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 5
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.781 kPa

Mean gauged plenum pressure : 51.348 kPa
RMS gauged plenum pressure : 0.388 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	51.577	0.149	0.085	277.0	631.2	298.0	297.9
3	254.00	-96.00	0.00	50.605	0.304	0.160	277.1	632.8	301.0	300.7
4	254.00	-92.00	0.00	51.309	0.702	0.403	277.1	632.0	311.1	310.5
5	254.00	-88.00	0.00	51.574	1.265	0.741	277.1	630.0	317.9	316.7
6	254.00	-84.00	0.00	51.530	1.974	1.119	277.1	628.8	327.3	325.5
7	254.00	-80.00	0.00	51.491	2.779	1.586	277.4	633.9	333.3	330.7
8	254.00	-76.00	0.00	51.309	3.719	2.165	277.6	630.8	343.2	339.6
9	254.00	-72.00	0.00	50.830	4.982	2.936	277.9	631.1	357.1	352.1
10	254.00	-68.00	0.00	51.702	6.162	3.739	277.7	629.6	365.0	358.8
11	254.00	-64.00	0.00	51.625	7.924	4.616	277.6	628.8	378.9	370.7
12	254.00	-60.00	0.00	51.551	9.920	5.711	277.7	632.7	394.7	384.1
13	254.00	-56.00	0.00	51.263	12.080	6.979	277.6	634.7	408.8	395.7
14	254.00	-52.00	0.00	51.070	14.533	8.395	277.4	634.3	425.2	409.0
15	254.00	-48.00	0.00	50.689	17.480	10.141	277.6	633.1	440.3	420.5

16	254.00	-44.00	0.00	51.090	20.478	11.856	277.3	631.9	450.4	427.1
17	254.00	-40.00	0.00	51.498	23.672	13.706	277.4	630.3	465.6	438.3
18	254.00	-36.00	0.00	51.682	26.697	15.373	277.6	629.4	479.6	448.4
19	254.00	-32.00	0.00	51.324	28.419	16.483	277.5	635.1	492.7	458.9
20	254.00	-28.00	0.00	51.179	30.673	17.798	277.5	637.0	505.1	468.2
21	254.00	-24.00	0.00	51.545	33.111	19.323	277.3	635.3	511.9	472.1
22	254.00	-20.00	0.00	51.767	35.301	20.498	277.4	632.1	518.5	476.0
23	254.00	-16.00	0.00	51.911	36.881	21.405	277.4	632.4	525.5	480.9
24	254.00	-12.00	0.00	50.829	36.911	21.461	277.3	634.0	530.8	485.7
25	254.00	-8.00	0.00	51.001	37.410	21.646	277.5	635.1	531.6	485.9
26	254.00	-4.00	0.00	51.476	37.866	21.954	277.3	633.3	533.1	486.9
27	254.00	0.00	0.00	51.633	37.976	22.072	277.4	631.6	532.6	486.3
28	254.00	4.00	0.00	51.876	38.217	22.146	277.4	631.1	531.0	484.6
29	254.00	8.00	0.00	51.110	37.395	21.732	277.4	631.9	530.5	484.9
30	254.00	12.00	0.00	51.024	37.085	21.505	277.2	633.2	529.0	483.9
31	254.00	16.00	0.00	51.370	36.076	20.963	277.5	631.1	520.3	476.9
32	254.00	20.00	0.00	51.654	34.506	19.956	277.8	630.5	511.2	470.0
33	254.00	24.00	0.00	51.960	31.582	18.353	277.7	630.5	499.2	461.8
34	254.00	28.00	0.00	51.205	27.094	15.496	277.6	634.0	485.3	453.3
35	254.00	32.00	0.00	51.216	22.861	13.209	277.8	636.1	467.5	440.9
36	254.00	36.00	0.00	51.559	18.356	10.569	277.7	633.4	444.9	424.0
37	254.00	40.00	0.00	51.826	15.120	8.823	277.5	631.4	431.5	414.5
38	254.00	44.00	0.00	51.448	11.728	6.866	277.8	632.8	413.2	400.3
39	254.00	48.00	0.00	50.779	9.481	5.516	278.0	635.0	400.5	390.2
40	254.00	52.00	0.00	51.503	7.711	4.594	278.0	633.0	385.1	377.0
41	254.00	56.00	0.00	51.645	6.313	3.795	277.9	632.3	370.2	363.7
42	254.00	60.00	0.00	51.417	5.277	3.126	278.0	633.6	363.2	357.9
43	254.00	64.00	0.00	50.730	4.036	2.355	278.0	634.3	353.5	349.5
44	254.00	68.00	0.00	51.486	3.292	1.868	277.9	632.7	342.6	339.4
45	254.00	72.00	0.00	51.832	2.390	1.427	277.9	632.8	335.6	333.3
46	254.00	76.00	0.00	51.719	1.658	1.006	278.0	632.7	326.3	324.8
47	254.00	80.00	0.00	51.267	1.094	0.679	278.3	632.1	320.8	319.8
48	254.00	84.00	0.00	50.602	0.497	0.308	278.0	634.4	311.3	310.9
49	254.00	88.00	0.00	51.048	0.300	0.219	277.8	634.8	307.0	306.7
50	254.00	92.00	0.00	51.176	0.071	0.078	278.0	632.1	297.1	297.0
51	254.00	96.00	0.00	51.276	0.028	0.022	277.8	631.6	292.0	292.0
52	254.00	100.00	0.00	50.474	0.011	0.011	277.9	632.4	289.8	289.8

File : TAB338T 24-FEB-89
24-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 635 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 5
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.781 kPa

Mean gauged plenum pressure : 51.474 kPa
RMS gauged plenum pressure : 0.397 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	0.00	-40.00	52.085	0.359	0.211	277.7	630.5	320.0	319.7
3	254.00	0.00	-39.00	51.462	0.439	0.266	277.9	634.2	320.1	319.7
4	254.00	0.00	-38.00	51.093	0.547	0.358	278.0	635.8	323.3	322.8
5	254.00	0.00	-37.00	51.389	0.763	0.406	278.2	635.6	330.0	329.3
6	254.00	0.00	-36.00	51.720	1.059	0.591	278.3	634.0	334.9	333.9
7	254.00	0.00	-35.00	51.567	1.228	0.737	277.9	633.4	338.8	337.6
8	254.00	0.00	-34.00	50.814	1.487	0.876	277.8	635.7	342.8	341.3
9	254.00	0.00	-33.00	51.579	1.822	1.045	277.9	632.5	347.1	345.3
10	254.00	0.00	-32.00	51.751	2.148	1.247	278.1	630.5	352.9	350.7
11	254.00	0.00	-31.00	51.858	2.554	1.481	278.1	629.8	356.6	354.0
12	254.00	0.00	-30.00	51.456	3.047	1.771	278.1	631.0	362.5	359.4
13	254.00	0.00	-29.00	50.920	3.582	2.086	278.3	632.6	368.3	364.6
14	254.00	0.00	-28.00	51.514	4.197	2.443	278.5	631.5	374.2	369.8
15	254.00	0.00	-27.00	51.754	4.919	2.869	278.0	630.4	379.2	374.0

16	254.00	0.00	-26.00	51.901	5.496	3.254	278.1	629.3	384.1	378.2
17	254.00	0.00	-25.00	51.272	6.219	3.593	278.0	631.1	392.2	385.5
18	254.00	0.00	-24.00	51.250	7.022	4.044	278.1	633.3	398.2	390.5
19	254.00	0.00	-23.00	51.844	8.148	4.701	278.2	632.3	405.9	396.9
20	254.00	0.00	-22.00	52.042	8.962	5.264	278.0	631.3	413.1	403.1
21	254.00	0.00	-21.00	51.821	10.209	5.962	277.7	630.5	419.1	407.6
22	254.00	0.00	-20.00	50.965	11.226	6.557	277.7	631.8	428.7	415.9
23	254.00	0.00	-19.00	50.573	12.432	7.204	277.9	635.2	434.5	420.2
24	254.00	0.00	-18.00	51.573	14.032	8.117	277.9	632.8	439.3	423.1
25	254.00	0.00	-17.00	51.897	15.363	8.974	277.8	630.7	444.7	426.9
26	254.00	0.00	-16.00	51.495	16.868	9.827	278.1	630.4	455.9	436.1
27	254.00	0.00	-15.00	50.900	18.276	10.648	278.0	630.9	462.4	440.8
28	254.00	0.00	-14.00	51.206	20.019	11.629	278.2	629.8	468.3	444.6
29	254.00	0.00	-13.00	51.641	21.957	12.627	278.2	630.9	475.7	449.6
30	254.00	0.00	-12.00	52.089	23.964	13.942	278.1	633.1	485.1	456.4
31	254.00	0.00	-11.00	50.978	25.320	14.658	277.9	636.3	493.6	463.0
32	254.00	0.00	-10.00	51.209	27.084	15.853	277.8	637.2	498.3	465.6
33	254.00	0.00	-9.00	51.544	29.078	16.888	277.6	635.6	505.8	470.5
34	254.00	0.00	-8.00	51.727	30.884	17.938	277.5	634.8	511.2	473.7
35	254.00	0.00	-7.00	51.638	32.456	18.900	277.6	634.4	517.0	477.5
36	254.00	0.00	-6.00	51.003	33.556	19.513	277.6	636.1	521.8	480.8
37	254.00	0.00	-5.00	51.688	35.373	20.490	277.7	634.3	527.1	483.9
38	254.00	0.00	-4.00	51.877	36.916	21.414	277.6	632.8	528.5	483.6
39	254.00	0.00	-3.00	51.640	37.146	21.535	277.7	632.7	530.1	484.8
40	254.00	0.00	-2.00	50.859	36.980	21.580	277.9	634.7	533.7	488.3
41	254.00	0.00	-1.00	51.329	37.818	21.955	277.8	633.6	534.5	488.2
42	254.00	0.00	0.00	51.752	37.984	22.005	277.8	632.2	530.4	484.3
43	254.00	0.00	1.00	51.793	37.736	21.900	278.0	630.8	531.1	485.2
44	254.00	0.00	2.00	51.583	36.720	21.321	277.9	629.5	526.8	482.2
45	254.00	0.00	3.00	50.838	35.330	20.510	277.7	631.4	526.0	482.9
46	254.00	0.00	4.00	51.365	34.671	20.136	277.6	630.5	522.8	480.6
47	254.00	0.00	5.00	51.778	33.625	19.529	278.0	627.8	515.4	474.8
48	254.00	0.00	6.00	51.810	32.389	18.785	278.0	623.8	508.7	469.8
49	254.00	0.00	7.00	50.920	30.169	17.447	278.1	628.5	509.1	472.5
50	254.00	0.00	8.00	51.043	28.646	16.601	277.7	632.4	500.4	465.9
51	254.00	0.00	9.00	51.490	27.405	15.831	277.8	631.1	494.4	461.6
52	254.00	0.00	10.00	51.752	25.674	14.966	277.9	631.1	490.4	459.6

File : TAB343T 25-FEB-89
25-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 650 K
DRPTAB, PLTDMN, -14 DEG
0-0

C1 : X/D = 5
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 51.424 kPa
RMS gauged plenum pressure : 0.413 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	51.522	0.040	0.028	283.6	649.2	303.5	303.5
3	254.00	-96.00	0.00	51.084	0.120	0.070	283.7	649.9	301.7	301.6
4	254.00	-92.00	0.00	51.315	0.314	0.153	283.7	650.6	309.3	309.0
5	254.00	-88.00	0.00	51.981	0.535	0.278	283.7	648.1	315.5	315.0
6	254.00	-84.00	0.00	51.951	0.686	0.483	284.1	647.9	320.5	319.9
7	254.00	-80.00	0.00	51.274	1.737	1.160	284.2	648.8	338.5	336.8
8	254.00	-76.00	0.00	51.111	2.367	1.410	283.8	649.3	343.4	341.1
9	254.00	-72.00	0.00	51.575	3.468	1.965	283.8	646.6	351.8	348.4
10	254.00	-68.00	0.00	51.837	3.867	2.369	283.8	645.9	357.7	353.8
11	254.00	-64.00	0.00	51.045	4.652	2.574	283.9	648.9	365.7	360.9
12	254.00	-60.00	0.00	50.674	5.485	3.159	283.8	650.2	382.7	376.9
13	254.00	-56.00	0.00	51.277	6.394	3.687	284.0	649.4	389.5	382.6
14	254.00	-52.00	0.00	51.604	8.716	5.168	283.8	647.6	406.0	396.4
15	254.00	-48.00	0.00	51.264	11.155	6.472	284.1	648.0	423.9	411.2

16	254.00	-44.00	0.00	50.652	13.577	7.909	284.4	649.5	438.1	422.4
17	254.00	-40.00	0.00	51.390	17.317	10.062	284.0	649.5	456.3	436.0
18	254.00	-36.00	0.00	51.821	20.846	12.183	284.1	649.0	473.7	448.8
19	254.00	-32.00	0.00	51.561	23.825	13.839	284.3	648.9	484.7	456.1
20	254.00	-28.00	0.00	51.261	26.957	15.756	284.5	650.5	501.0	468.2
21	254.00	-24.00	0.00	51.305	30.166	17.507	284.5	650.7	514.1	477.1
22	254.00	-20.00	0.00	51.773	33.186	19.208	284.4	649.0	525.6	484.6
23	254.00	-16.00	0.00	51.622	35.205	20.442	284.1	648.2	533.9	490.2
24	254.00	-12.00	0.00	50.952	36.051	20.969	284.1	649.6	539.3	494.3
25	254.00	-8.00	0.00	51.393	37.260	21.558	283.9	649.2	543.2	496.7
26	254.00	-4.00	0.00	51.767	37.881	22.041	284.3	648.1	544.7	497.4
27	254.00	0.00	0.00	51.947	38.144	22.120	284.2	646.1	545.8	498.2
28	254.00	4.00	0.00	51.086	37.341	21.633	284.3	647.8	546.5	499.6
29	254.00	8.00	0.00	50.941	36.634	21.375	284.1	649.8	543.1	497.2
30	254.00	12.00	0.00	51.450	36.617	21.256	284.3	648.4	539.0	493.5
31	254.00	16.00	0.00	52.187	35.155	20.439	284.2	647.1	529.7	486.4
32	254.00	20.00	0.00	51.437	32.340	18.751	284.4	648.4	519.6	479.9

File : TAB350T 1-MAR-89
1-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 644 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 7
C2 : HORIZONTAL
C3 : -2MM
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 51.248 kPa
RMS gauged plenum pressure : 0.275 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	-110.00	-2.00	51.196	0.171	0.095	280.7	643.0	304.4	304.2
3	355.60	-105.00	-2.00	51.443	0.194	0.111	280.7	642.1	305.1	304.9
4	355.60	-100.00	-2.00	51.400	0.589	0.350	280.7	643.0	314.2	313.7
5	355.60	-95.00	-2.00	51.060	0.959	0.579	280.6	643.1	322.0	321.1
6	355.60	-90.00	-2.00	51.213	1.616	1.056	280.7	644.0	331.6	330.1
7	355.60	-85.00	-2.00	51.635	2.254	1.406	280.6	642.4	338.3	336.1
8	355.60	-80.00	-2.00	51.188	3.098	1.803	280.6	642.5	344.5	341.5
9	355.60	-75.00	-2.00	51.137	4.189	2.444	280.5	641.6	354.4	350.2
10	355.60	-70.00	-2.00	51.110	5.409	3.153	280.6	644.5	365.9	360.4
11	355.60	-65.00	-2.00	51.446	6.632	3.905	280.5	644.3	376.4	369.5
12	355.60	-60.00	-2.00	51.417	8.184	4.745	280.6	643.0	386.1	377.5
13	355.60	-55.00	-2.00	51.315	9.621	5.671	280.6	643.0	396.0	385.7
14	355.60	-50.00	-2.00	51.013	11.343	6.554	280.6	643.3	406.9	394.5
15	355.60	-45.00	-2.00	50.800	12.864	7.399	280.6	643.4	418.5	404.2

16	355.60	-40.00	-2.00	51.385	14.812	8.646	280.5	642.0	428.8	412.2
17	355.60	-35.00	-2.00	51.474	16.834	9.768	280.6	640.4	441.0	421.8
18	355.60	-30.00	-2.00	50.997	18.562	10.780	280.6	641.7	449.8	428.4
19	355.60	-25.00	-2.00	51.007	20.449	11.940	280.6	641.2	458.3	434.6
20	355.60	-20.00	-2.00	51.619	22.843	13.197	280.7	640.6	469.0	442.3
21	355.60	-15.00	-2.00	51.627	24.001	13.969	280.7	640.7	476.7	448.4
22	355.60	-10.00	-2.00	50.992	24.510	14.233	280.7	641.5	478.8	449.8
23	355.60	-5.00	-2.00	51.134	25.291	14.651	280.7	641.0	481.3	451.4
24	355.60	0.00	-2.00	51.503	25.331	14.740	280.7	641.1	481.6	451.6
25	355.60	5.00	-2.00	51.421	25.362	14.617	280.6	641.5	480.0	450.1
26	355.60	10.00	-2.00	51.091	24.426	14.170	280.6	641.7	478.3	449.4
27	355.60	15.00	-2.00	50.893	23.456	13.576	280.5	642.3	472.8	445.2
28	355.60	20.00	-2.00	50.981	22.188	12.852	280.4	642.3	465.8	439.9
29	355.60	25.00	-2.00	51.312	20.531	11.865	280.4	641.1	457.4	433.6
30	355.60	30.00	-2.00	51.291	18.086	10.518	280.4	640.1	445.7	425.0
31	355.60	35.00	-2.00	51.085	15.424	8.910	280.4	640.9	434.5	417.0
32	355.60	40.00	-2.00	51.166	13.028	7.515	280.5	640.4	421.0	406.5
33	355.60	45.00	-2.00	51.532	10.669	6.208	280.5	638.7	407.3	395.6
34	355.60	50.00	-2.00	51.246	8.369	4.896	280.5	638.7	392.6	383.6
35	355.60	55.00	-2.00	50.894	6.730	3.882	280.4	639.3	382.4	375.3
36	355.60	60.00	-2.00	51.050	5.342	3.267	280.5	638.5	371.9	366.4
37	355.60	65.00	-2.00	51.651	4.300	2.616	280.5	637.9	361.1	356.7
38	355.60	70.00	-2.00	51.406	3.219	1.857	280.5	639.3	349.9	346.7
39	355.60	75.00	-2.00	51.036	2.086	1.324	280.5	641.5	338.3	336.3
40	355.60	80.00	-2.00	51.115	1.472	1.005	280.4	642.7	330.6	329.2
41	355.60	85.00	-2.00	51.078	1.337	0.776	280.3	643.3	325.5	324.3
42	355.60	90.00	-2.00	51.542	0.734	0.477	280.4	642.5	320.3	319.6
43	355.60	95.00	-2.00	51.609	0.283	0.226	280.4	641.3	310.9	310.6
44	355.60	100.00	-2.00	51.083	0.213	0.135	280.4	641.7	308.1	307.9
45	355.60	105.00	-2.00	51.030	0.046	0.053	280.4	641.9	301.7	301.7
46	355.60	110.00	-2.00	51.613	0.014	0.016	280.4	639.6	295.3	295.3

File : TAB349T 1-MAR-89
1-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 644 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 7
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 51.265 kPa
RMS gauged plenum pressure : 0.305 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	0.00	-60.00	51.778	0.025	0.013	278.8	640.3	308.2	308.2
3	355.60	0.00	-58.00	51.382	0.059	0.040	278.9	639.8	309.3	309.2
4	355.60	0.00	-56.00	50.889	0.170	0.095	278.9	641.1	313.3	313.1
5	355.60	0.00	-54.00	51.197	0.277	0.128	279.0	647.8	318.8	318.5
6	355.60	0.00	-52.00	51.383	0.401	0.261	279.0	647.3	324.7	324.3
7	355.60	0.00	-50.00	51.528	0.635	0.363	279.0	645.1	330.0	329.4
8	355.60	0.00	-48.00	51.037	0.827	0.483	279.1	645.4	336.4	335.6
9	355.60	0.00	-46.00	51.210	1.187	0.678	279.1	645.1	341.7	340.5
10	355.60	0.00	-44.00	51.148	1.597	0.932	279.2	644.7	348.1	346.5
11	355.60	0.00	-42.00	51.538	2.070	1.145	279.4	642.3	354.9	352.8
12	355.60	0.00	-40.00	51.059	2.562	1.494	279.5	643.4	362.9	360.3
13	355.60	0.00	-38.00	51.220	3.210	1.936	279.4	643.5	370.2	366.8
14	355.60	0.00	-36.00	50.896	3.823	2.243	279.5	642.7	375.5	371.5
15	355.60	0.00	-34.00	51.199	4.739	2.700	279.5	641.0	383.5	378.4

16	355.60	0.00	-32.00	51.586	5.810	3.425	279.5	643.5	393.3	387.0
17	355.60	0.00	-30.00	51.176	6.672	3.967	279.6	645.4	402.6	395.2
18	355.60	0.00	-28.00	50.904	7.885	4.531	279.6	647.4	410.5	401.7
19	355.60	0.00	-26.00	51.528	9.237	5.345	279.6	645.1	418.0	407.5
20	355.60	0.00	-24.00	51.520	10.759	6.207	279.6	643.8	425.9	413.6
21	355.60	0.00	-22.00	51.296	12.188	7.038	279.7	643.9	431.1	417.1
22	355.60	0.00	-20.00	50.835	13.592	7.850	279.7	644.4	438.2	422.5
23	355.60	0.00	-18.00	51.363	15.461	8.981	279.7	643.0	445.9	427.9
24	355.60	0.00	-16.00	51.445	17.464	10.048	279.8	641.4	455.7	435.2
25	355.60	0.00	-14.00	51.607	19.488	11.326	279.8	640.4	460.5	437.7
26	355.60	0.00	-12.00	51.063	20.792	12.086	279.7	641.2	466.7	442.2
27	355.60	0.00	-10.00	51.356	22.330	13.119	279.7	640.5	472.1	445.7
28	355.60	0.00	-8.00	51.281	23.748	13.738	279.7	631.5	470.2	442.5
29	355.60	0.00	-6.00	51.427	24.623	14.244	279.7	640.4	479.6	450.5
30	355.60	0.00	-4.00	51.000	24.912	14.556	279.7	645.0	483.3	453.7
31	355.60	0.00	-2.00	51.149	25.136	14.623	279.7	645.7	482.9	453.0
32	355.60	0.00	0.00	51.530	25.140	14.582	279.6	644.6	482.1	452.3
33	355.60	0.00	2.00	51.607	24.381	14.176	279.5	644.3	480.9	451.9
34	355.60	0.00	4.00	51.118	23.183	13.509	279.5	645.5	476.6	449.1
35	355.60	0.00	6.00	50.978	21.747	12.584	279.5	646.1	470.8	445.1
36	355.60	0.00	8.00	51.504	20.593	11.852	279.4	644.6	465.6	441.4
37	355.60	0.00	10.00	51.566	18.778	10.862	279.4	643.9	459.4	437.4

File : TAB332T 23-FEB-89
23-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 627 K
DRPTAB, PLTTAB
000-0

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.968 kPa

Mean gauged plenum pressure : 50.871 kPa
RMS gauged plenum pressure : 0.287 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	50.668	0.322	0.189	272.8	629.7	302.9	302.6
3	457.20	-105.00	0.00	50.978	0.491	0.409	272.8	628.9	304.5	304.1
4	457.20	-100.00	0.00	51.188	0.881	0.553	272.7	627.5	314.0	313.2
5	457.20	-95.00	0.00	50.730	1.136	0.651	272.7	626.9	316.7	315.7
6	457.20	-90.00	0.00	50.567	1.567	0.998	272.7	624.9	322.6	321.1
7	457.20	-85.00	0.00	50.680	2.264	1.279	272.6	627.1	328.5	326.4
8	457.20	-80.00	0.00	51.073	2.690	1.573	272.7	627.5	333.2	330.6
9	457.20	-75.00	0.00	51.011	3.570	2.146	272.6	627.1	340.8	337.3
10	457.20	-70.00	0.00	50.786	4.540	2.606	272.6	626.0	349.2	344.7
11	457.20	-65.00	0.00	50.585	5.285	3.085	272.6	625.5	356.0	350.7
12	457.20	-60.00	0.00	50.512	6.144	3.589	272.6	625.6	362.3	356.1
13	457.20	-55.00	0.00	50.875	7.404	4.268	272.5	625.3	371.6	364.0
14	457.20	-50.00	0.00	51.174	8.438	4.948	272.5	623.9	376.5	367.8
15	457.20	-45.00	0.00	50.927	9.444	5.476	272.5	622.6	382.8	372.9

16	457.20	-40.00	0.00	50.710	10.672	6.190	272.5	621.6	393.5	382.1
17	457.20	-35.00	0.00	50.584	11.812	6.822	272.5	625.9	402.0	389.2
18	457.20	-30.00	0.00	51.153	12.786	7.464	272.4	624.9	404.5	390.7
19	457.20	-25.00	0.00	50.928	14.082	8.137	272.4	624.5	412.8	397.4
20	457.20	-20.00	0.00	51.142	15.115	8.704	272.5	623.5	418.2	401.5
21	457.20	-15.00	0.00	50.868	15.703	9.113	272.6	623.0	420.7	403.4
22	457.20	-10.00	0.00	50.783	16.299	9.477	272.6	624.7	426.5	408.3
23	457.20	-5.00	0.00	51.075	16.735	9.672	272.7	623.8	427.3	408.7
24	457.20	0.00	0.00	50.997	16.937	9.813	272.7	622.9	428.0	409.1
25	457.20	5.00	0.00	51.434	17.198	9.904	272.7	620.9	425.9	406.8
26	457.20	10.00	0.00	50.695	16.443	9.677	272.6	621.4	425.1	406.8
27	457.20	15.00	0.00	50.394	15.955	9.257	272.6	622.1	422.2	404.5
28	457.20	20.00	0.00	50.983	15.512	8.969	272.7	620.9	418.3	401.2

File : TAB331T 23-FEB-89
23-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 625 K
DRPTAB, PLTTAB
000-0

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.002 kPa

Mean gauged plenum pressure : 50.952 kPa
RMS gauged plenum pressure : 0.287 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.199	0.653	0.365	271.5	623.2	317.2	316.6
3	457.20	0.00	-58.00	51.007	0.686	0.382	271.4	623.2	319.5	318.9
4	457.20	0.00	-56.00	50.890	0.797	0.460	271.7	621.8	321.2	320.5
5	457.20	0.00	-54.00	50.657	0.975	0.557	271.6	622.5	326.4	325.5
6	457.20	0.00	-52.00	51.032	1.318	0.768	271.6	622.5	329.5	328.2
7	457.20	0.00	-50.00	50.753	1.447	0.839	271.6	626.2	334.2	332.8
8	457.20	0.00	-48.00	51.049	1.854	1.095	271.7	624.6	340.6	338.8
9	457.20	0.00	-46.00	51.108	2.091	1.219	271.7	623.3	341.2	339.2
10	457.20	0.00	-44.00	50.663	2.446	1.444	271.5	623.9	344.8	342.4
11	457.20	0.00	-42.00	51.086	2.877	1.688	271.4	622.8	351.4	348.5
12	457.20	0.00	-40.00	51.086	3.393	1.987	271.6	621.4	355.5	352.1
13	457.20	0.00	-38.00	51.040	3.727	2.172	271.6	620.6	358.5	354.7
14	457.20	0.00	-36.00	50.888	4.264	2.546	271.7	619.1	363.5	359.1
15	457.20	0.00	-34.00	50.762	4.837	2.807	271.5	620.5	367.8	362.8

16	457.20	0.00	-32.00	51.106	5.491	3.235	271.5	619.5	371.4	365.7
17	457.20	0.00	-30.00	51.106	6.052	3.514	271.8	619.8	376.2	369.8
18	457.20	0.00	-28.00	51.151	6.756	3.927	271.9	618.7	381.0	373.9
19	457.20	0.00	-26.00	50.956	7.651	4.399	271.9	619.2	385.7	377.6
20	457.20	0.00	-24.00	50.915	8.204	4.801	271.9	619.1	389.0	380.2
21	457.20	0.00	-22.00	51.205	9.302	5.439	272.1	618.7	394.7	384.7
22	457.20	0.00	-20.00	51.094	10.252	5.980	272.2	618.3	399.0	387.9
23	457.20	0.00	-18.00	51.147	11.173	6.438	272.2	620.6	404.3	392.1
24	457.20	0.00	-16.00	50.861	11.900	6.956	272.3	622.7	409.2	396.1
25	457.20	0.00	-14.00	50.775	12.756	7.455	272.3	623.5	411.3	397.3
26	457.20	0.00	-12.00	51.170	13.947	7.991	272.4	620.9	416.6	401.2
27	457.20	0.00	-10.00	50.957	14.473	8.437	272.5	623.1	418.2	402.2
28	457.20	0.00	-8.00	50.808	15.289	8.834	272.5	622.7	421.9	404.9
29	457.20	0.00	-6.00	50.637	15.736	9.111	272.6	621.5	423.4	405.9
30	457.20	0.00	-4.00	50.847	16.471	9.579	272.6	622.1	426.7	408.4
31	457.20	0.00	-2.00	51.043	16.754	9.717	272.6	623.6	427.2	408.5
32	457.20	0.00	0.00	51.064	17.066	9.894	272.6	622.3	426.2	407.3
33	457.20	0.00	2.00	51.167	16.897	9.776	272.5	622.7	425.9	407.2
34	457.20	0.00	4.00	50.857	16.762	9.741	272.5	623.9	428.4	409.7
35	457.20	0.00	6.00	50.702	16.401	9.461	272.4	624.9	427.0	408.7
36	457.20	0.00	8.00	51.190	15.922	9.307	272.4	623.3	424.2	406.5
37	457.20	0.00	10.00	51.147	15.398	8.994	272.4	623.3	421.4	404.3

File : TAB346T 28-FEB-89
28-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 644 K
DRPTAB, PLTTAB, -14 DEG
000-0

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.494 kPa

Mean gauged plenum pressure : 50.818 kPa
RMS gauged plenum pressure : 0.368 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.024	0.188	0.103	279.9	642.7	308.2	308.0
3	457.20	-105.00	0.00	51.045	0.368	0.220	280.0	642.6	309.8	309.5
4	457.20	-100.00	0.00	50.576	0.453	0.248	280.2	640.4	313.4	313.0
5	457.20	-95.00	0.00	50.493	0.741	0.483	280.2	639.7	318.6	317.9
6	457.20	-90.00	0.00	50.486	1.553	0.850	280.3	639.3	328.7	327.2
7	457.20	-85.00	0.00	50.922	1.502	0.875	280.3	637.2	330.3	328.9
8	*457.20*	*-80.00*	*0.00*	*50.840*	*2.274*	*1.227*	*280.3*	*639.5*	*339.4*	*337.2*
9	457.20	-75.00	0.00	50.556	2.899	1.684	280.2	645.4	348.2	345.3
10	457.20	-70.00	0.00	50.683	3.645	2.045	280.3	645.7	353.4	349.7
11	457.20	-65.00	0.00	49.755	4.440	2.560	280.3	644.8	361.2	356.7
12	457.20	-60.00	0.00	50.435	5.119	2.983	280.3	645.9	367.0	361.7
13	457.20	-55.00	0.00	50.730	6.155	3.570	280.4	647.4	375.2	368.7
14	457.20	-50.00	0.00	51.204	7.779	4.428	280.7	639.2	384.9	376.6
15	457.20	-45.00	0.00	51.081	8.782	5.223	280.6	639.8	390.6	381.2

16	457.20	-40.00	0.00	51.194	9.767	5.787	280.6	640.3	399.1	388.4
17	457.20	-35.00	0.00	50.983	11.168	6.440	280.7	638.7	406.4	394.1
18	457.20	-30.00	0.00	50.928	12.370	7.217	280.7	642.4	414.9	401.1
19	457.20	-25.00	0.00	50.968	13.614	7.837	280.7	642.5	422.2	406.9
20	457.20	-20.00	0.00	51.018	14.824	8.529	280.7	640.0	426.1	409.4
21	457.20	-15.00	0.00	51.065	15.671	9.097	280.8	637.4	432.3	414.5
22	457.20	-10.00	0.00	50.803	16.251	9.383	280.9	641.3	436.6	418.0
23	457.20	-5.00	0.00	50.977	16.702	9.771	280.7	642.0	438.3	419.2
24	457.20	0.00	0.00	50.778	16.885	9.815	280.7	643.2	440.8	421.4
25	457.20	5.00	0.00	51.211	16.828	9.770	280.7	642.7	439.5	420.2
26	457.20	10.00	0.00	50.871	16.472	9.590	280.7	641.4	435.7	416.9
27	457.20	15.00	0.00	51.080	15.957	9.207	280.7	640.1	432.8	414.7
28	457.20	20.00	0.00	50.831	14.964	8.680	280.7	639.6	428.8	411.8

File : TAB356T 2-MAR-89
2-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 655 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 13
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.765 kPa

Mean gauged plenum pressure : 51.097 kPa
RMS gauged plenum pressure : 0.292 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
1	660.40	0.00	0.00	51.033	8.645	5.025	284.7	655.3	395.8	386.4
2	660.40	-160.00	0.00	51.428	0.014	0.012	284.6	654.3	299.8	299.8
3	660.40	-152.00	0.00	51.325	0.014	0.012	284.6	654.5	296.5	296.5
4	660.40	-144.00	0.00	50.901	0.025	0.032	284.6	654.8	300.2	300.2
5	660.40	-136.00	0.00	50.764	0.098	0.065	284.6	655.8	304.6	304.5
6	660.40	-128.00	0.00	51.096	0.185	0.122	284.6	654.3	309.2	309.0
7	660.40	-120.00	0.00	51.357	0.331	0.243	284.7	652.7	315.0	314.7
8	660.40	-112.00	0.00	51.275	0.653	0.397	284.6	652.5	320.2	319.6
9	660.40	-104.00	0.00	50.760	0.915	0.546	284.6	653.0	325.8	324.9
10	660.40	-96.00	0.00	51.148	1.371	0.778	284.5	651.9	331.0	329.7
11	660.40	-88.00	0.00	51.279	2.058	1.181	284.5	650.0	338.6	336.6
12	660.40	-80.00	0.00	51.316	2.461	1.461	284.5	648.8	344.9	342.5
13	660.40	-72.00	0.00	50.972	3.222	1.874	284.5	651.3	353.3	350.1
14	660.40	-64.00	0.00	50.356	3.942	2.338	284.5	650.3	358.8	354.8

15	660.40	-56.00	0.00	51.003	4.830	2.822	284.5	654.1	366.2	361.2
16	660.40	-48.00	0.00	51.310	5.627	3.297	284.5	654.9	372.6	366.7
17	660.40	-40.00	0.00	51.055	6.560	3.779	284.5	653.9	379.3	372.4
18	660.40	-32.00	0.00	51.443	7.204	4.164	284.4	652.6	384.0	376.3
19	660.40	-24.00	0.00	51.393	7.853	4.580	284.4	652.4	388.4	380.0
20	660.40	-16.00	0.00	50.732	8.174	4.697	284.4	653.9	391.9	383.1
21	660.40	-8.00	0.00	51.376	8.645	5.036	284.5	652.2	393.8	384.4
22	660.40	0.00	0.00	51.348	8.787	5.086	284.4	648.4	394.6	385.1
23	660.40	8.00	0.00	51.196	8.647	5.023	284.4	648.0	393.1	383.8
24	660.40	16.00	0.00	50.670	8.281	4.845	284.5	646.7	391.9	383.0
25	660.40	24.00	0.00	50.797	7.834	4.568	284.4	649.4	390.1	381.7
26	660.40	32.00	0.00	51.149	7.316	4.299	284.4	653.4	386.1	378.3
27	660.40	40.00	0.00	51.151	6.530	3.814	284.4	654.1	381.6	374.7
28	660.40	48.00	0.00	51.189	5.748	3.359	284.4	654.5	376.2	370.1
29	660.40	56.00	0.00	51.149	4.967	2.801	284.4	654.8	368.4	363.2
30	660.40	64.00	0.00	50.913	4.109	2.438	284.3	655.3	364.0	359.8
31	660.40	72.00	0.00	51.197	3.065	1.757	284.4	653.4	353.0	349.9
32	660.40	80.00	0.00	51.083	2.625	1.489	284.4	652.6	347.9	345.3
33	660.40	88.00	0.00	51.217	1.728	1.053	284.3	652.8	340.3	338.6
34	660.40	96.00	0.00	50.788	1.352	0.850	284.3	654.1	335.7	334.4
35	660.40	104.00	0.00	50.736	0.852	0.528	284.3	654.8	328.0	327.2
36	660.40	112.00	0.00	51.285	0.656	0.399	284.3	652.5	322.7	322.1
37	660.40	120.00	0.00	51.278	0.386	0.211	284.3	651.2	317.2	316.8
38	660.40	128.00	0.00	51.033	0.176	0.099	284.3	650.7	311.6	311.4
39	660.40	136.00	0.00	50.863	0.060	0.069	284.2	651.6	306.5	306.4
40	660.40	144.00	0.00	51.083	0.033	0.044	284.2	651.2	302.5	302.5
41	660.40	152.00	0.00	51.421	0.013	0.019	284.2	649.0	297.7	297.7
42	660.40	160.00	0.00	51.561	0.012	0.017	284.3	647.2	293.5	293.5

File : TAB355T 2-MAR-89
2-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 655 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 13
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.765 kPa

Mean gauged plenum pressure : 51.099 kPa
RMS gauged plenum pressure : 0.350 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	0.00	-120.00	51.366	0.024	0.012	284.9	652.3	303.0	303.0
3	660.40	0.00	-116.00	51.438	0.025	0.024	285.0	652.2	301.6	301.6
4	660.40	0.00	-112.00	51.012	0.044	0.016	284.9	652.0	303.4	303.4
5	660.40	0.00	-108.00	50.982	0.079	0.056	284.8	652.1	306.3	306.2
6	660.40	0.00	-104.00	51.264	0.105	0.061	284.9	650.3	309.1	309.0
7	660.40	0.00	-100.00	51.705	0.164	0.085	284.8	649.7	312.4	312.3
8	660.40	0.00	-96.00	51.186	0.251	0.136	284.9	651.0	315.5	315.3
9	660.40	0.00	-92.00	50.566	0.323	0.173	284.9	651.5	319.3	319.0
10	660.40	0.00	-88.00	50.306	0.371	0.223	284.9	654.0	321.9	321.6
11	660.40	0.00	-84.00	50.712	0.490	0.325	284.9	652.9	325.6	325.1
12	660.40	0.00	-80.00	51.148	0.663	0.374	284.8	650.7	328.7	328.1
13	660.40	0.00	-76.00	51.238	0.861	0.494	284.8	650.7	333.0	332.2
14	660.40	0.00	-72.00	50.791	1.006	0.594	284.8	652.8	336.6	335.6
15	660.40	0.00	-68.00	51.418	1.240	0.755	284.8	651.5	340.5	339.3

16	660.40	0.00	-64.00	51.324	1.594	0.906	284.8	650.2	344.1	342.5
17	660.40	0.00	-60.00	51.347	1.873	1.094	284.8	649.0	348.8	346.9
18	660.40	0.00	-56.00	50.733	2.219	1.283	284.8	650.9	352.5	350.3
19	660.40	0.00	-52.00	50.671	2.570	1.459	284.8	651.7	357.3	354.7
20	660.40	0.00	-48.00	51.074	3.019	1.774	284.8	650.7	361.2	358.1
21	660.40	0.00	-44.00	51.606	3.589	2.091	284.8	649.1	364.3	360.6
22	660.40	0.00	-40.00	51.040	4.005	2.315	284.7	650.1	369.8	365.6
23	660.40	0.00	-36.00	50.535	4.608	2.637	284.7	654.6	374.4	369.5
24	660.40	0.00	-32.00	51.150	5.254	3.022	284.7	653.9	377.9	372.3
25	660.40	0.00	-28.00	51.212	5.928	3.397	284.8	652.5	382.4	376.1
26	660.40	0.00	-24.00	51.510	6.480	3.757	284.7	651.6	385.0	378.0
27	660.40	0.00	-20.00	50.961	7.121	4.133	284.7	652.5	388.1	380.4
28	660.40	0.00	-16.00	50.591	7.538	4.327	284.7	654.3	391.1	382.9
29	660.40	0.00	-12.00	51.460	8.108	4.714	284.7	651.4	392.0	383.2
30	660.40	0.00	-8.00	51.289	8.488	4.936	284.7	650.4	393.0	383.8
31	660.40	0.00	-4.00	51.157	8.700	5.015	284.7	648.7	394.4	385.0
32	660.40	0.00	0.00	51.131	8.735	5.043	284.7	651.9	395.1	385.6
33	660.40	0.00	4.00	51.073	8.692	5.016	284.7	649.6	395.6	386.2
34	660.40	0.00	8.00	51.484	8.464	4.890	284.8	648.1	393.3	384.1
35	660.40	0.00	12.00	51.381	8.118	4.708	284.7	647.4	391.4	382.6
36	660.40	0.00	16.00	50.798	7.474	4.342	284.8	654.3	392.3	384.2
37	660.40	0.00	20.00	51.011	6.913	4.042	284.8	655.7	388.8	381.3

File : TAB185T

16-DEC-88
29-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, BASELINE

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.273 kPa

Mean gauged plenum pressure : 124.744 kPa
RMS gauged plenum pressure : 0.586 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	126.010	0.020	0.012	279.7	283.3	279.2	279.2
3	457.20	-105.00	0.00	126.208	0.012	0.012	279.8	283.3	278.7	278.7
4	457.20	-100.00	0.00	125.567	0.010	0.012	279.9	283.2	278.7	278.7
5	457.20	-95.00	0.00	124.592	0.189	0.012	280.0	283.2	278.6	278.4
6	457.20	-90.00	0.00	124.316	0.376	0.013	280.0	283.2	278.4	278.1
7	457.20	-85.00	0.00	124.556	0.718	0.013	279.9	283.2	278.2	277.6
8	457.20	-80.00	0.00	125.077	0.842	0.012	280.0	283.3	277.9	277.2
9	457.20	-75.00	0.00	125.456	1.167	0.013	279.9	283.2	277.7	276.8
10	457.20	-70.00	0.00	125.694	1.887	0.012	279.9	283.3	277.6	276.1
11	457.20	-65.00	0.00	125.566	2.932	0.012	279.8	283.3	277.2	274.9
12	457.20	-60.00	0.00	125.298	4.389	0.012	280.0	283.2	277.2	273.8
13	457.20	-55.00	0.00	125.134	6.654	0.012	280.1	283.3	276.9	271.8
14	457.20	-50.00	0.00	124.961	10.602	0.012	280.2	283.2	277.2	269.2
15	457.20	-45.00	0.00	124.970	15.297	0.016	280.0	283.3	276.6	265.4
16	457.20	-40.00	0.00	125.200	17.306	0.012	280.0	283.2	276.9	264.3

17	457.20	-35.00	0.00	125.429	20.827	0.012	280.1	283.2	277.2	262.4
18	457.20	-30.00	0.00	125.468	26.931	0.012	280.1	283.2	272.5	254.2
19	457.20	-25.00	0.00	125.167	33.578	0.012	280.2	283.2	0.0	0.0
20	457.20	-20.00	0.00	124.804	40.483	0.012	280.3	283.2	278.5	252.3
21	457.20	-15.00	0.00	124.341	45.455	0.013	280.4	283.2	282.1	253.0
22	457.20	-10.00	0.00	124.093	49.906	0.014	280.4	283.3	277.8	247.0
23	457.20	-5.00	0.00	124.212	52.449	0.012	280.6	283.3	280.1	247.8
24	457.20	0.00	0.00	124.348	53.001	0.013	280.5	283.3	272.7	241.0
25	457.20	5.00	0.00	124.629	51.597	0.013	280.6	283.3	89.7	79.5
26	457.20	10.00	0.00	124.814	48.145	0.013	280.7	283.3	284.9	254.2
27	457.20	15.00	0.00	124.665	43.285	0.013	280.5	283.3	289.7	260.9
28	457.20	20.00	0.00	124.389	37.496	0.012	280.6	283.3	260.6	237.5
29	457.20	25.00	0.00	124.151	31.688	0.013	280.5	283.3	90.6	83.6
30	457.20	30.00	0.00	123.580	25.611	0.012	280.6	283.3	269.8	252.5
31	457.20	35.00	0.00	123.805	20.609	0.012	280.5	283.3	277.2	262.5
32	457.20	40.00	0.00	124.243	16.855	0.012	280.5	283.3	276.1	263.9
33	457.20	45.00	0.00	124.946	11.681	0.013	280.4	283.3	277.0	268.2
34	457.20	50.00	0.00	124.840	9.090	0.013	280.4	283.3	277.4	270.5
35	457.20	55.00	0.00	124.726	6.875	0.014	280.5	283.3	277.9	272.6
36	457.20	60.00	0.00	124.414	4.989	0.013	280.9	283.4	278.4	274.5
37	457.20	65.00	0.00	124.233	3.937	0.018	280.8	283.4	278.4	275.3
38	457.20	70.00	0.00	124.079	2.494	0.017	280.8	283.3	278.5	276.5
39	457.20	75.00	0.00	124.225	1.519	0.014	280.9	283.3	278.3	277.1
40	457.20	80.00	0.00	124.661	0.965	0.016	280.9	283.3	278.8	278.0
41	457.20	85.00	0.00	124.840	0.440	0.016	280.9	283.3	279.1	278.7
42	457.20	90.00	0.00	124.717	0.296	0.015	281.1	283.3	279.6	279.4
43	457.20	95.00	0.00	124.650	0.072	0.025	281.1	283.3	279.7	279.6
44	457.20	100.00	0.00	124.281	0.013	0.023	280.9	283.2	279.6	279.6
45	457.20	105.00	0.00	124.146	0.019	0.019	281.0	283.3	279.6	279.6
46	457.20	110.00	0.00	123.951	0.010	0.014	281.1	283.2	280.5	280.5

File : TAB203T

19-DEC-88
1-DEC-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Baseline

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 125.712 kPa
RMS gauged plenum pressure : 0.514 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	125.099	0.092	0.013	285.5	283.2	0.0	0.0
3	457.20	0.00	-97.00	125.073	0.135	0.019	285.5	283.2	0.0	0.0
4	457.20	0.00	-94.00	125.078	0.161	0.018	285.5	283.2	0.0	0.0
5	457.20	0.00	-91.00	125.115	0.246	0.016	285.5	283.1	0.0	0.0
6	457.20	0.00	-88.00	125.136	0.342	0.017	285.1	283.1	0.0	0.0
7	457.20	0.00	-85.00	125.212	0.569	0.020	284.9	283.0	0.0	0.0
8	457.20	0.00	-82.00	125.215	0.771	0.021	284.5	283.0	0.0	0.0
9	457.20	0.00	-79.00	125.279	1.132	0.024	284.3	283.0	0.0	0.0
10	457.20	0.00	-76.00	125.358	1.478	0.016	284.2	283.0	0.0	0.0
11	457.20	0.00	-73.00	125.387	1.953	0.016	284.2	283.0	0.0	0.0
12	457.20	0.00	-70.00	125.341	2.487	0.017	284.3	283.1	0.0	0.0
13	457.20	0.00	-67.00	125.350	3.143	0.017	284.6	283.1	0.0	0.0
14	457.20	0.00	-64.00	125.284	4.028	0.021	284.7	283.1	0.0	0.0
15	457.20	0.00	-61.00	125.299	4.947	0.026	284.8	283.1	0.0	0.0

16	457.20	0.00	-58.00	125.182	6.009	0.027	284.6	283.0	0.0	0.0
17	457.20	0.00	-55.00	125.183	7.452	0.032	284.6	283.0	0.0	0.0
18	457.20	0.00	-52.00	125.203	8.508	0.027	284.4	283.0	0.0	0.0
19	457.20	0.00	-49.00	125.191	10.373	0.033	284.2	282.9	0.0	0.0
20	457.20	0.00	-46.00	125.212	11.993	0.038	284.0	283.0	0.0	0.0
21	457.20	0.00	-43.00	125.341	14.218	0.038	283.9	282.9	0.0	0.0
22	457.20	0.00	-40.00	125.348	16.630	0.036	284.0	283.0	0.0	0.0
23	457.20	0.00	-37.00	126.007	18.891	0.035	284.2	283.0	0.0	0.0
24	457.20	0.00	-34.00	126.309	21.491	0.035	284.1	283.0	0.0	0.0
25	457.20	0.00	-31.00	126.364	24.571	0.043	283.9	283.0	0.0	0.0
26	457.20	0.00	-28.00	126.317	27.638	0.041	284.0	283.0	0.0	0.0
27	457.20	0.00	-25.00	126.323	30.873	0.041	284.2	283.1	0.0	0.0
28	457.20	0.00	-22.00	126.318	34.735	0.038	284.6	283.1	0.0	0.0
29	457.20	0.00	-19.00	126.338	38.634	0.046	284.6	283.1	0.0	0.0
30	457.20	0.00	-16.00	126.266	42.262	0.046	284.8	283.1	0.0	0.0
31	457.20	0.00	-13.00	126.275	45.722	0.046	284.9	283.1	0.0	0.0
32	457.20	0.00	-10.00	126.154	48.681	0.046	284.8	283.0	0.0	0.0
33	457.20	0.00	-7.00	126.148	51.025	0.043	285.0	283.1	0.0	0.0
34	457.20	0.00	-4.00	126.130	52.718	0.039	285.2	283.2	0.0	0.0
35	457.20	0.00	-1.00	126.106	53.317	0.042	285.2	283.2	0.0	0.0
36	457.20	0.00	2.00	126.102	52.916	0.040	285.3	283.2	0.0	0.0
37	457.20	0.00	5.00	126.123	51.445	0.041	285.2	283.2	0.0	0.0
38	457.20	0.00	8.00	126.143	49.247	0.034	285.1	283.2	0.0	0.0
39	457.20	0.00	11.00	126.137	46.884	0.027	285.2	283.2	0.0	0.0
40	457.20	0.00	14.00	126.158	43.333	0.027	285.6	283.3	0.0	0.0
41	457.20	0.00	17.00	126.206	39.684	0.030	285.4	283.2	110.8	100.5
42	457.20	0.00	20.00	126.330	35.825	0.028	285.4	283.2	0.0	0.0

CONFIGURATION	X/D_E	T_j/T_o	M_j	HORIZONTAL	VERTICAL	DIAGONAL -14°	DIAGONAL +14°
O - O (BASELINE)	9	1	0.8	TAB147T	TAB146T	TAB165T	TAB175T
I - A	9	1	0.8	TAB157T	TAB158T	TAB168T	TAB176T
I - B	9	1	0.8	TAB149T	TAB148T	TAB167T	TAB180T
III - A	9	1	0.8	TAB161T	TAB162T	TAB169T	TAB177T
III - B	9	1	0.8	TAB155T	TAB156T	TAB170T	TAB181T
II - A	9	1	0.8	TAB151T	TAB152T	TAB171T	TAB178T
II - B	9	1	0.8	TAB159T	TAB160T	TAB173T	TAB182T
IV - A	9	1	0.8	TAB153T	TAB154T	TAB172T	TAB179T
IV - B	9	1	0.8	TAB163T	TAB164T	TAB174T	TAB183T
VI - A	9	1	0.8	TAB242T	TAB241T	TAB257T	TAB269T
VI - B	9	1	0.8	TAB252T	TAB253T	TAB264T	TAB273T
VII - A	9	1	0.8	TAB239T	TAB240T	TAB256T	TAB268T
VII - B	9	1	0.8	TAB248T	TAB249T	TAB261T	TAB272T
V - C	9	1	0.8	TAB275T	TAB276T	TAB260T	TAB274T
I - C	9	1	0.8	TAB365T	TAB364T	- - - -	- - - -

Figure 9 Mixing Modification Test Conditions and Run Numbers - M_j=0.8

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File : TAB147T

14-NOV-88
14-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Baseline

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 51.604 kPa
RMS gauged plenum pressure : 0.132 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.411	0.433	0.012	294.8	285.6	292.2	291.8
3	457.20	-105.00	0.00	51.401	0.795	0.017	294.8	285.6	292.1	291.4
4	457.20	-100.00	0.00	51.656	1.242	0.013	295.1	285.6	291.5	290.5
5	457.20	-95.00	0.00	51.641	1.706	0.014	295.3	285.6	291.5	290.1
6	457.20	-90.00	0.00	51.619	2.199	0.015	295.6	285.6	291.3	289.5
7	457.20	-85.00	0.00	51.582	3.095	0.013	295.5	285.6	290.8	288.2
8	457.20	-80.00	0.00	51.576	3.800	0.015	295.5	285.6	290.5	287.4
9	457.20	-75.00	0.00	51.580	4.771	0.013	295.4	285.6	290.4	286.5
10	457.20	-70.00	0.00	51.849	5.737	0.014	295.0	285.5	289.8	285.1
11	457.20	-65.00	0.00	51.845	6.979	0.013	294.9	285.5	289.5	283.9
12	457.20	-60.00	0.00	51.856	8.025	0.012	294.8	285.6	289.3	282.9
13	457.20	-55.00	0.00	51.871	9.498	0.013	294.6	285.6	289.0	281.5
14	457.20	-50.00	0.00	51.851	10.555	0.013	294.5	285.5	288.6	280.3
15	457.20	-45.00	0.00	51.819	12.173	0.013	294.4	285.5	288.4	278.9
16	457.20	-40.00	0.00	51.799	13.490	0.014	294.4	285.5	287.9	277.5

17	457.20	-35.00	0.00	51.744	15.229	0.012	294.4	285.5	287.6	276.0
18	457.20	-30.00	0.00	51.724	16.582	0.012	294.4	285.5	287.5	275.0
19	457.20	-25.00	0.00	51.717	17.894	0.012	294.4	285.5	287.3	273.9
20	457.20	-20.00	0.00	51.666	19.044	0.012	294.4	285.5	287.1	272.9
21	457.20	-15.00	0.00	51.631	19.626	0.012	294.4	285.5	287.0	272.4
22	457.20	-10.00	0.00	51.580	20.067	0.012	294.3	285.5	287.0	272.1
23	457.20	-5.00	0.00	51.570	20.063	0.012	294.2	285.5	286.8	272.0
24	457.20	0.00	0.00	51.556	19.682	0.012	294.2	285.5	286.9	272.3
25	457.20	5.00	0.00	51.540	19.158	0.012	294.2	285.5	287.1	272.8
26	457.20	10.00	0.00	51.567	17.881	0.013	294.3	285.5	287.3	273.9
27	457.20	15.00	0.00	51.610	16.499	0.012	294.2	285.5	287.8	275.3
28	457.20	20.00	0.00	51.672	14.489	0.012	294.2	285.5	287.9	276.8
29	457.20	25.00	0.00	51.673	12.898	0.012	294.2	285.5	288.1	278.1
30	457.20	30.00	0.00	51.614	10.604	0.012	294.2	285.5	288.4	280.1
31	457.20	35.00	0.00	51.538	8.908	0.012	294.8	285.5	288.7	281.6
32	457.20	40.00	0.00	51.531	7.164	0.012	295.2	285.5	288.9	283.1
33	457.20	45.00	0.00	51.548	5.663	0.012	295.2	285.4	289.4	284.8
34	457.20	50.00	0.00	51.580	4.638	0.012	295.5	285.4	289.7	285.9
35	457.20	55.00	0.00	51.571	3.589	0.012	295.4	285.4	289.8	286.8
36	457.20	60.00	0.00	51.540	2.874	0.012	295.3	285.4	290.3	287.9
37	457.20	65.00	0.00	51.515	2.227	0.012	295.0	285.4	290.7	288.8
38	457.20	70.00	0.00	51.491	1.531	0.012	294.6	285.4	291.2	289.9
39	457.20	75.00	0.00	51.478	1.308	0.012	294.4	285.4	291.1	290.0
40	457.20	80.00	0.00	51.440	0.831	0.012	294.3	285.4	291.3	290.6
41	457.20	85.00	0.00	51.386	0.543	0.012	294.1	285.3	291.7	291.2
42	457.20	90.00	0.00	51.413	0.358	0.012	294.1	285.4	291.7	291.4
43	457.20	95.00	0.00	51.466	0.147	0.012	294.1	285.3	291.9	291.8
44	457.20	100.00	0.00	51.534	0.099	0.012	294.1	285.4	291.8	291.7
45	457.20	105.00	0.00	51.570	0.044	0.012	294.2	285.3	292.4	292.4
46	457.20	110.00	0.00	51.606	0.014	0.012	294.2	285.3	292.3	292.3

File : TAB146T

14-NOV-88
14-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Baseline

C1 : X/D = 9
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 51.637 kPa
RMS gauged plenum pressure : 0.355 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.479	0.470	0.012	294.9	286.2	291.2	290.8
3	457.20	0.00	-58.00	51.509	0.469	0.012	294.9	286.1	291.3	290.9
4	457.20	0.00	-56.00	51.499	0.677	0.012	294.9	286.1	291.0	290.4
5	457.20	0.00	-54.00	51.524	0.869	0.012	295.2	286.1	290.2	289.5
6	457.20	0.00	-52.00	51.514	1.057	0.013	295.1	286.0	290.2	289.3
7	457.20	0.00	-50.00	51.482	1.277	0.012	295.0	285.9	289.9	288.8
8	457.20	0.00	-48.00	51.444	1.561	0.012	295.4	285.9	289.3	288.0
9	457.20	0.00	-46.00	51.440	1.918	0.012	295.7	285.8	289.0	287.4
10	457.20	0.00	-44.00	51.407	2.255	0.013	295.7	285.8	288.5	286.6
11	457.20	0.00	-42.00	51.420	2.697	0.014	295.6	285.7	289.1	286.9
12	457.20	0.00	-40.00	51.453	3.231	0.013	295.5	285.7	288.4	285.7
13	457.20	0.00	-38.00	51.483	3.619	0.012	295.4	285.7	288.4	285.4
14	457.20	0.00	-36.00	51.675	4.243	0.012	295.5	285.7	288.0	284.5
15	457.20	0.00	-34.00	52.209	4.849	0.012	295.4	285.7	287.9	284.0
16	457.20	0.00	-32.00	52.223	5.699	0.014	294.7	285.7	287.4	282.8

17	457.20	0.00	-30.00	52.244	6.463	0.014	294.3	285.7	287.5	282.3
18	457.20	0.00	-28.00	52.314	7.124	0.014	294.2	285.7	287.4	281.7
19	457.20	0.00	-26.00	52.288	8.160	0.016	294.3	285.7	287.3	280.8
20	457.20	0.00	-24.00	52.238	9.171	0.013	294.3	285.7	287.1	279.9
21	457.20	0.00	-22.00	51.234	10.035	0.016	294.3	285.7	287.0	279.1
22	457.20	0.00	-20.00	51.184	11.127	0.013	294.4	285.7	287.3	278.6
23	457.20	0.00	-18.00	51.204	12.164	0.016	294.2	285.7	287.2	277.8
24	457.20	0.00	-16.00	52.387	13.509	0.014	294.3	285.8	287.2	276.8
25	457.20	0.00	-14.00	51.522	14.428	0.016	294.4	285.8	287.2	276.2
26	457.20	0.00	-12.00	51.509	15.673	0.022	294.5	285.8	287.2	275.3
27	457.20	0.00	-10.00	51.527	16.711	0.018	294.4	285.8	287.3	274.7
28	457.20	0.00	-8.00	51.546	17.627	0.022	294.5	285.8	287.3	274.1
29	457.20	0.00	-6.00	51.542	18.307	0.022	294.3	285.8	287.3	273.6
30	457.20	0.00	-4.00	51.496	19.101	0.023	294.5	285.8	287.3	273.1
31	457.20	0.00	-2.00	51.505	19.398	0.023	294.5	285.8	287.5	273.1
32	457.20	0.00	0.00	51.443	19.581	0.025	294.7	285.8	287.4	272.8
33	457.20	0.00	2.00	51.389	19.437	0.016	295.1	285.8	287.2	272.8
34	457.20	0.00	4.00	51.378	19.380	0.019	295.4	285.8	287.0	272.6
35	457.20	0.00	6.00	51.361	18.873	0.021	295.7	285.8	287.1	273.0
36	457.20	0.00	8.00	51.370	18.171	0.017	295.9	285.8	286.9	273.3
37	457.20	0.00	10.00	52.181	17.654	0.016	295.3	285.7	286.9	273.7

File : TAB165T

6-DEC-88
18-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.713 kPa

Mean gauged plenum pressure : 51.380 kPa
RMS gauged plenum pressure : 0.527 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.384	0.136	0.017	290.4	285.2	288.8	288.7
3	457.20	-105.00	0.00	51.388	0.178	0.020	290.4	285.1	288.2	288.1
4	457.20	-100.00	0.00	51.391	0.198	0.022	290.0	285.1	287.9	287.7
5	457.20	-95.00	0.00	51.347	0.404	0.017	290.1	285.1	288.1	287.8
6	457.20	-90.00	0.00	51.324	0.914	0.018	290.1	285.1	288.1	287.3
7	457.20	-85.00	0.00	51.346	1.196	0.015	290.2	285.1	287.8	286.8
8	457.20	-80.00	0.00	51.348	1.495	0.017	290.2	285.1	287.5	286.3
9	457.20	-75.00	0.00	51.374	2.408	0.015	290.3	285.2	287.4	285.4
10	457.20	-70.00	0.00	51.409	2.852	0.017	290.3	285.1	287.2	284.9
11	457.20	-65.00	0.00	51.449	4.021	0.015	290.4	285.1	286.7	283.4
12	457.20	-60.00	0.00	51.639	4.640	0.015	290.5	285.1	286.9	283.2
13	457.20	-55.00	0.00	51.707	5.672	0.016	290.6	285.2	286.9	282.3
14	457.20	-50.00	0.00	51.745	7.042	0.021	290.5	285.1	286.0	280.4
15	457.20	-45.00	0.00	51.697	8.702	0.017	290.4	285.1	286.1	279.3
16	457.20	-40.00	0.00	51.702	10.257	0.016	290.6	285.1	286.1	278.1

17	457.20	-35.00	0.00	51.813	11.837	0.015	291.1	285.1	285.7	276.6
18	457.20	-30.00	0.00	51.918	13.331	0.016	291.3	285.1	285.8	275.6
19	457.20	-25.00	0.00	51.903	15.251	0.017	291.1	285.1	285.3	273.8
20	457.20	-20.00	0.00	51.978	16.555	0.014	291.3	285.1	285.6	273.2
21	457.20	-15.00	0.00	50.882	17.357	0.016	291.0	285.1	285.4	272.5
22	457.20	-10.00	0.00	49.756	17.939	0.014	290.7	285.0	285.1	271.8
23	457.20	-5.00	0.00	49.250	18.169	0.021	290.5	285.1	285.0	271.5
24	457.20	0.00	0.00	50.206	19.259	0.020	290.4	285.2	285.3	271.1
25	457.20	5.00	0.00	52.449	20.010	0.016	290.3	285.2	285.1	270.4
26	457.20	10.00	0.00	51.752	19.277	0.018	290.3	285.2	285.2	271.0
27	457.20	15.00	0.00	51.265	18.278	0.014	290.2	285.1	285.3	271.8
28	457.20	20.00	0.00	51.541	17.082	0.014	290.3	285.2	285.5	272.7
29	457.20	25.00	0.00	51.498	15.346	0.014	290.5	285.1	285.5	273.9
30	457.20	30.00	0.00	51.439	13.537	0.015	290.5	285.1	285.7	275.4
31	457.20	35.00	0.00	51.371	11.182	0.020	290.6	285.1	285.8	277.2
32	457.20	40.00	0.00	51.342	9.257	0.019	290.7	285.1	286.0	278.8
33	457.20	45.00	0.00	51.325	7.278	0.019	290.7	285.1	286.2	280.4
34	457.20	50.00	0.00	51.241	5.594	0.023	290.6	285.1	286.4	281.9
35	457.20	55.00	0.00	51.149	4.255	0.019	290.6	285.1	286.6	283.2
36	457.20	60.00	0.00	51.273	3.123	0.022	290.7	285.1	286.7	284.2
37	457.20	65.00	0.00	51.252	2.376	0.017	290.7	285.1	287.1	285.2
38	457.20	70.00	0.00	51.225	1.908	0.021	290.9	285.2	287.8	286.2
39	457.20	75.00	0.00	51.222	1.496	0.020	290.8	285.1	287.9	286.7
40	457.20	80.00	0.00	51.182	0.651	0.022	290.8	285.1	288.1	287.6
41	457.20	85.00	0.00	51.134	0.526	0.016	291.0	285.1	288.3	287.9
42	457.20	90.00	0.00	51.156	0.284	0.015	290.9	285.1	288.5	288.3
43	457.20	95.00	0.00	51.772	0.192	0.016	291.0	285.1	288.6	288.4
44	457.20	100.00	0.00	51.714	0.061	0.017	290.8	285.1	288.6	288.5
45	457.20	105.00	0.00	51.691	0.064	0.018	290.8	285.1	288.9	288.8
46	457.20	110.00	0.00	51.731	0.014	0.017	290.5	285.1	289.3	289.3

C.2

File : TAB175T

10-DEC-88
22-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
BASELINE

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 51.343 kPa
RMS gauged plenum pressure : 0.133 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.235	0.175	0.012	285.3	284.2	284.4	284.3
3	457.20	-105.00	0.00	51.244	0.333	0.013	285.2	284.2	284.4	284.1
4	457.20	-100.00	0.00	51.247	0.519	0.013	285.2	284.2	284.2	283.8
5	457.20	-95.00	0.00	51.287	0.726	0.012	285.1	284.2	284.2	283.6
6	457.20	-90.00	0.00	51.253	0.873	0.012	285.2	284.2	284.1	283.4
7	457.20	-85.00	0.00	51.246	1.499	0.012	285.2	284.2	284.1	282.9
8	457.20	-80.00	0.00	51.243	2.258	0.012	285.3	284.2	284.2	282.4
9	457.20	-75.00	0.00	51.199	3.079	0.012	285.5	284.2	284.2	281.7
10	457.20	-70.00	0.00	51.193	3.373	0.012	285.5	284.2	283.8	281.1
11	457.20	-65.00	0.00	51.189	4.394	0.012	285.4	284.2	283.8	280.3
12	457.20	-60.00	0.00	51.152	5.153	0.012	285.4	284.2	283.5	279.4
13	457.20	-55.00	0.00	51.162	6.448	0.012	285.2	284.1	283.1	278.0
14	457.20	-50.00	0.00	51.152	7.550	0.012	285.1	284.2	283.1	277.2
15	457.20	-45.00	0.00	51.148	9.040	0.012	285.0	284.1	282.9	275.9

16	457.20	-40.00	0.00	51.154	10.419	0.012	284.9	284.1	282.9	274.9
17	457.20	-35.00	0.00	51.176	11.816	0.012	285.0	284.1	282.8	273.8
18	457.20	-30.00	0.00	51.117	13.652	0.012	284.9	284.1	282.9	272.6
19	457.20	-25.00	0.00	51.117	15.269	0.012	284.9	284.1	282.8	271.4
20	457.20	-20.00	0.00	51.294	16.799	0.012	285.0	284.1	282.8	270.3
21	457.20	-15.00	0.00	51.303	18.066	0.012	285.0	284.2	282.6	269.3
22	457.20	-10.00	0.00	51.355	18.973	0.012	285.0	284.2	282.8	268.9
23	457.20	-5.00	0.00	51.359	19.634	0.012	285.1	284.1	282.8	268.5
24	457.20	0.00	0.00	51.362	19.794	0.012	285.2	284.2	282.7	268.3
25	457.20	5.00	0.00	51.373	19.589	0.012	285.2	284.2	282.7	268.4
26	457.20	10.00	0.00	51.495	18.867	0.012	285.1	284.1	282.6	268.8
27	457.20	15.00	0.00	51.442	17.944	0.012	285.0	284.1	282.7	269.5
28	457.20	20.00	0.00	51.454	16.518	0.013	284.9	284.1	282.5	270.2
29	457.20	25.00	0.00	51.443	14.911	0.014	284.9	284.1	282.8	271.6
30	457.20	30.00	0.00	51.482	13.126	0.013	284.9	284.1	282.9	272.9
31	457.20	35.00	0.00	51.484	11.314	0.014	284.9	284.1	283.0	274.3
32	457.20	40.00	0.00	51.422	9.486	0.014	285.0	284.1	283.1	275.7
33	457.20	45.00	0.00	51.458	8.145	0.013	285.0	284.1	283.3	276.9
34	457.20	50.00	0.00	51.461	6.635	0.014	285.1	284.1	283.5	278.3
35	457.20	55.00	0.00	51.446	5.358	0.013	285.2	284.1	283.5	279.2
36	457.20	60.00	0.00	51.473	4.377	0.015	285.3	284.2	283.7	280.2
37	457.20	65.00	0.00	51.491	3.402	0.018	285.3	284.2	284.0	281.3
38	457.20	70.00	0.00	51.513	2.751	0.015	285.4	284.1	284.1	281.9
39	457.20	75.00	0.00	51.503	2.080	0.017	285.4	284.2	284.2	282.5
40	457.20	80.00	0.00	51.516	1.464	0.016	285.4	284.2	284.5	283.3
41	457.20	85.00	0.00	51.501	1.173	0.013	285.5	284.2	284.5	283.5
42	457.20	90.00	0.00	51.495	0.755	0.016	285.6	284.2	284.5	283.9
43	457.20	95.00	0.00	51.506	0.425	0.013	285.5	284.2	284.6	284.2
44	457.20	100.00	0.00	51.484	0.239	0.015	285.4	284.1	284.6	284.4
45	457.20	105.00	0.00	51.463	0.119	0.018	285.4	284.2	284.7	284.6
46	457.20	110.00	0.00	51.384	0.042	0.014	285.3	284.1	284.6	284.6

File : TAB157T

17-NOV-88
17-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config. I(A)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 51.592 kPa
RMS gauged plenum pressure : 0.135 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.439	0.436	0.068	281.7	283.6	281.2	280.8
3	457.20	-105.00	0.00	51.426	0.554	0.066	281.8	283.7	281.3	280.8
4	457.20	-100.00	0.00	51.471	0.824	0.068	281.8	283.8	281.3	280.6
5	457.20	-95.00	0.00	51.527	1.272	0.069	281.7	283.8	281.1	280.1
6	457.20	-90.00	0.00	51.525	1.733	0.073	281.7	283.8	281.0	279.6
7	457.20	-85.00	0.00	51.582	2.201	0.070	281.7	283.9	280.9	279.1
8	457.20	-80.00	0.00	51.578	3.058	0.065	281.8	283.9	281.2	278.7
9	457.20	-75.00	0.00	51.610	3.953	0.065	281.8	283.9	281.3	278.1
10	457.20	-70.00	0.00	51.622	5.016	0.068	281.9	283.9	281.3	277.3
11	457.20	-65.00	0.00	51.608	6.060	0.067	281.7	284.0	281.3	276.5
12	457.20	-60.00	0.00	51.574	7.457	0.063	281.8	284.0	281.1	275.3
13	457.20	-55.00	0.00	51.514	8.912	0.064	281.8	284.0	281.3	274.4
14	457.20	-50.00	0.00	51.522	10.549	0.073	281.8	284.0	281.3	273.2
15	457.20	-45.00	0.00	51.549	12.373	0.073	281.8	284.0	281.7	272.3
16	457.20	-40.00	0.00	51.540	14.060	0.067	281.8	284.0	281.7	271.1

17	457.20	-35.00	0.00	51.610	15.691	0.068	281.8	284.0	281.7	270.0
18	457.20	-30.00	0.00	51.680	16.252	0.067	281.7	284.0	281.7	269.6
19	457.20	-25.00	0.00	51.676	16.486	0.066	281.8	284.0	281.7	269.5
20	457.20	-20.00	0.00	51.740	15.990	0.067	281.9	284.0	281.5	269.6
21	457.20	-15.00	0.00	51.695	14.961	0.059	281.8	284.0	281.2	270.0
22	457.20	-10.00	0.00	51.640	13.897	0.061	281.8	284.0	280.9	270.5
23	457.20	-5.00	0.00	51.657	13.429	0.058	281.9	284.0	280.8	270.7
24	457.20	0.00	0.00	51.654	13.238	0.061	281.9	284.0	280.7	270.7
25	457.20	5.00	0.00	51.646	14.108	0.054	282.0	284.1	281.0	270.4
26	457.20	10.00	0.00	51.756	15.227	0.053	281.9	284.1	281.1	269.8
27	457.20	15.00	0.00	51.778	16.293	0.051	281.9	284.1	281.3	269.2
28	457.20	20.00	0.00	51.712	17.112	0.051	282.0	284.1	281.7	269.1
29	457.20	25.00	0.00	51.639	17.055	0.052	282.0	284.1	281.9	269.3
30	457.20	30.00	0.00	51.623	15.588	0.053	281.9	284.1	281.7	270.1
31	457.20	35.00	0.00	51.581	14.056	0.049	281.9	284.1	281.7	271.1
32	457.20	40.00	0.00	51.647	11.648	0.044	282.0	284.0	281.4	272.5
33	457.20	45.00	0.00	51.643	9.339	0.050	282.0	284.1	281.2	274.0
34	457.20	50.00	0.00	51.657	7.337	0.045	282.0	284.1	281.1	275.4
35	457.20	55.00	0.00	51.717	6.041	0.038	282.0	284.1	281.1	276.3
36	457.20	60.00	0.00	51.724	4.784	0.037	282.0	284.1	281.2	277.4
37	457.20	65.00	0.00	51.757	3.764	0.035	282.1	284.1	281.2	278.2
38	457.20	70.00	0.00	51.737	2.884	0.036	282.1	284.1	281.4	279.1
39	457.20	75.00	0.00	51.667	2.013	0.032	282.1	284.2	281.3	279.7
40	457.20	80.00	0.00	51.601	1.379	0.025	282.2	284.1	281.4	280.3
41	457.20	85.00	0.00	51.575	1.022	0.025	282.2	284.1	281.6	280.8
42	457.20	90.00	0.00	51.582	0.706	0.023	282.2	284.1	281.4	280.8
43	457.20	95.00	0.00	51.491	0.475	0.029	282.2	284.1	281.5	281.1
44	457.20	100.00	0.00	51.400	0.269	0.024	282.1	284.1	281.5	281.3
45	457.20	105.00	0.00	51.393	0.152	0.020	282.1	284.1	281.2	281.1
46	457.20	110.00	0.00	51.018	0.063	0.017	282.2	284.0	281.5	281.4

File : TAB158T

17-NOV-88
17-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config I(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.510 kPa

Mean gauged plenum pressure : 51.291 kPa
RMS gauged plenum pressure : 0.354 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	51.687	0.014	0.012	282.4	284.0	282.0	282.0
3	457.20	0.00	-97.00	51.691	0.013	0.012	282.5	284.0	282.2	282.2
4	457.20	0.00	-94.00	51.698	0.013	0.013	282.5	284.1	282.3	282.3
5	457.20	0.00	-91.00	51.688	0.012	0.014	282.5	284.0	282.2	282.2
6	457.20	0.00	-88.00	51.667	0.012	0.013	282.5	284.0	282.2	282.2
7	457.20	0.00	-85.00	51.637	0.011	0.014	282.5	284.0	282.1	282.1
8	457.20	0.00	-82.00	51.624	0.011	0.013	282.6	284.0	282.1	282.1
9	457.20	0.00	-79.00	51.617	0.010	0.013	282.6	284.0	281.9	281.9
10	457.20	0.00	-76.00	51.599	0.011	0.016	282.6	284.1	282.0	282.0
11	457.20	0.00	-73.00	51.606	0.011	0.013	282.6	284.1	281.7	281.7
12	457.20	0.00	-70.00	51.645	0.014	0.016	282.7	284.1	281.7	281.7
13	457.20	0.00	-67.00	51.698	0.053	0.015	282.7	284.1	281.7	281.7
14	457.20	0.00	-64.00	51.666	0.098	0.016	282.8	284.1	281.4	281.3
15	457.20	0.00	-61.00	51.573	0.249	0.019	282.7	284.1	281.4	281.2
16	457.20	0.00	-58.00	51.531	0.357	0.015	282.8	284.1	281.3	281.0

17	457.20	0.00	-55.00	51.545	0.597	0.016	282.8	284.1	280.9	280.4
18	457.20	0.00	-52.00	51.347	0.829	0.017	282.9	284.1	281.3	280.6
19	457.20	0.00	-49.00	51.413	1.180	0.017	282.9	284.1	280.9	279.9
20	457.20	0.00	-46.00	51.465	1.533	0.018	282.9	284.1	281.0	279.8
21	457.20	0.00	-43.00	51.506	1.938	0.019	282.9	284.1	280.8	279.2
22	457.20	0.00	-40.00	51.497	2.562	0.017	283.0	284.1	281.0	278.9
23	457.20	0.00	-37.00	51.449	3.168	0.021	283.0	284.1	280.9	278.4
24	457.20	0.00	-34.00	51.372	4.004	0.018	283.0	284.1	281.0	277.8
25	457.20	0.00	-31.00	51.151	4.755	0.024	282.9	284.1	280.8	277.0
26	457.20	0.00	-28.00	51.129	5.525	0.021	283.0	284.1	280.8	276.4
27	457.20	0.00	-25.00	51.143	6.696	0.019	283.0	284.1	280.9	275.7
28	457.20	0.00	-22.00	51.175	7.719	0.022	283.0	284.1	280.9	274.9
29	457.20	0.00	-19.00	51.168	8.889	0.022	283.2	284.1	281.3	274.4
30	457.20	0.00	-16.00	51.115	10.029	0.018	283.3	284.1	281.3	273.6
31	457.20	0.00	-13.00	51.049	10.917	0.021	283.3	284.1	281.3	273.0
32	457.20	0.00	-10.00	50.980	11.787	0.021	283.3	284.1	281.4	272.4
33	457.20	0.00	-7.00	50.978	12.496	0.021	283.4	284.2	281.4	271.9
34	457.20	0.00	-4.00	50.995	12.933	0.019	283.5	284.2	281.5	271.7
35	457.20	0.00	-1.00	50.982	13.061	0.019	283.5	284.1	281.4	271.5
36	457.20	0.00	2.00	50.970	12.935	0.018	283.5	284.1	281.3	271.5
37	457.20	0.00	5.00	51.014	12.684	0.025	283.4	284.1	281.2	271.6
38	457.20	0.00	8.00	50.667	12.052	0.020	283.3	284.1	281.0	271.9
39	457.20	0.00	11.00	50.706	11.269	0.024	283.1	284.1	280.8	272.2
40	457.20	0.00	14.00	50.698	10.308	0.023	283.2	284.1	280.8	272.9
41	457.20	0.00	17.00	50.667	9.088	0.023	283.3	284.0	280.9	273.9
42	457.20	0.00	20.00	50.660	8.092	0.023	283.2	284.1	280.7	274.4

File : TAB168T

8-DEC-88
21-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
Config. I(a)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 51.189 kPa
RMS gauged plenum pressure : 0.322 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	50.882	0.111	0.012	284.0	283.7	282.9	282.8
3	457.20	-105.00	0.00	50.747	0.288	0.012	284.0	283.7	282.7	282.5
4	457.20	-100.00	0.00	50.787	0.356	0.011	284.0	283.7	282.8	282.5
5	457.20	-95.00	0.00	50.625	0.580	0.012	284.1	283.7	283.0	282.5
6	457.20	-90.00	0.00	50.608	1.076	0.012	284.3	283.7	282.5	281.6
7	457.20	-85.00	0.00	51.241	1.568	0.012	284.3	283.8	282.9	281.6
8	457.20	-80.00	0.00	51.294	1.751	0.012	284.5	283.8	282.8	281.4
9	457.20	-75.00	0.00	51.550	2.601	0.012	284.5	283.8	282.7	280.6
10	457.20	-70.00	0.00	51.716	3.917	0.012	284.5	283.9	282.7	279.6
11	457.20	-65.00	0.00	51.529	4.612	0.012	284.4	283.9	282.6	278.9
12	457.20	-60.00	0.00	50.627	5.866	0.012	284.4	283.8	282.4	277.8
13	457.20	-55.00	0.00	51.394	7.256	0.012	284.3	283.8	282.2	276.5
14	457.20	-50.00	0.00	51.694	8.519	0.012	284.4	284.0	282.3	275.7
15	457.20	-45.00	0.00	50.932	10.194	0.012	284.4	283.9	282.2	274.4

16	457.20	-40.00	0.00	50.980	12.104	0.012	284.4	283.8	282.4	273.2
17	457.20	-35.00	0.00	51.043	13.826	0.012	284.4	283.8	282.2	271.8
18	457.20	-30.00	0.00	51.439	15.231	0.012	284.4	283.9	282.4	271.0
19	457.20	-25.00	0.00	51.223	15.852	0.012	284.5	284.0	282.5	270.7
20	457.20	-20.00	0.00	51.128	15.792	0.012	284.5	283.9	282.2	270.4
21	457.20	-15.00	0.00	51.222	15.081	0.012	284.6	283.8	282.2	270.9
22	457.20	-10.00	0.00	51.201	14.024	0.013	284.5	283.8	281.6	271.1
23	457.20	-5.00	0.00	51.693	13.458	0.012	284.5	283.9	281.6	271.5
24	457.20	0.00	0.00	50.990	13.097	0.012	284.6	284.0	281.7	271.8
25	457.20	5.00	0.00	51.144	13.661	0.012	284.5	283.8	281.6	271.3
26	457.20	10.00	0.00	51.060	14.625	0.013	284.6	283.9	282.2	271.2
27	457.20	15.00	0.00	51.136	15.546	0.013	284.7	283.9	282.4	270.8
28	457.20	20.00	0.00	51.017	16.328	0.012	284.7	283.8	282.6	270.5
29	457.20	25.00	0.00	50.917	16.108	0.013	284.6	283.9	282.9	270.9
30	457.20	30.00	0.00	51.252	15.025	0.012	284.7	283.8	283.0	271.7
31	457.20	35.00	0.00	51.154	13.202	0.012	284.7	283.9	282.4	272.4
32	457.20	40.00	0.00	51.569	10.985	0.012	285.0	283.8	282.4	274.0
33	457.20	45.00	0.00	51.877	8.409	0.012	285.1	283.9	282.4	275.9
34	457.20	50.00	0.00	51.062	6.932	0.012	285.0	283.9	282.5	277.1
35	457.20	55.00	0.00	51.276	4.772	0.013	284.9	283.9	282.3	278.5
36	457.20	60.00	0.00	51.202	3.797	0.013	284.9	283.9	283.0	280.0
37	457.20	65.00	0.00	51.079	2.864	0.012	285.0	283.9	283.3	281.0
38	457.20	70.00	0.00	51.223	1.889	0.013	285.1	283.9	283.2	281.7
39	457.20	75.00	0.00	51.137	1.315	0.013	284.8	283.9	283.1	282.0
40	457.20	80.00	0.00	51.205	1.089	0.015	284.9	283.9	283.5	282.6
41	457.20	85.00	0.00	51.377	0.758	0.013	284.9	283.9	283.0	282.4
42	457.20	90.00	0.00	51.501	0.456	0.014	285.0	283.9	283.1	282.7
43	457.20	95.00	0.00	51.103	0.354	0.017	285.0	283.9	282.8	282.5
44	457.20	100.00	0.00	51.237	0.142	0.018	284.9	283.9	283.3	283.2
45	457.20	105.00	0.00	51.055	0.142	0.015	284.9	283.9	283.4	283.3
46	457.20	110.00	0.00	50.932	0.029	0.015	285.1	283.9	284.3	284.3

File : TAB176T

10-DEC-88
22-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config I(a)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 51.441 kPa
RMS gauged plenum pressure : 0.163 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.379	0.230	0.014	285.5	284.1	284.5	284.3
3	457.20	-105.00	0.00	51.348	0.327	0.013	285.5	284.1	284.6	284.3
4	457.20	-100.00	0.00	51.402	0.601	0.013	285.5	284.1	284.6	284.1
5	457.20	-95.00	0.00	51.464	0.911	0.015	285.5	284.1	284.5	283.8
6	457.20	-90.00	0.00	51.537	1.176	0.013	285.5	284.1	284.1	283.1
7	457.20	-85.00	0.00	51.655	1.733	0.015	285.4	284.2	284.0	282.6
8	457.20	-80.00	0.00	51.291	2.281	0.013	285.3	284.1	283.8	281.9
9	457.20	-75.00	0.00	51.484	3.003	0.014	285.3	284.1	283.8	281.4
10	457.20	-70.00	0.00	51.481	3.787	0.013	285.3	284.1	283.6	280.5
11	457.20	-65.00	0.00	51.478	5.009	0.014	285.3	284.1	283.6	279.6
12	457.20	-60.00	0.00	51.465	6.062	0.013	285.3	284.1	283.3	278.5
13	457.20	-55.00	0.00	51.450	7.381	0.015	285.3	284.1	283.2	277.4
14	457.20	-50.00	0.00	51.412	9.093	0.013	285.3	284.1	283.2	276.1
15	457.20	-45.00	0.00	51.342	10.382	0.015	285.4	284.1	283.2	275.2

16	457.20	-40.00	0.00	51.311	12.177	0.016	285.3	284.1	283.2	273.9
17	457.20	-35.00	0.00	51.300	13.631	0.016	285.3	284.1	283.3	273.0
18	457.20	-30.00	0.00	51.311	14.753	0.016	285.2	284.1	283.2	272.1
19	457.20	-25.00	0.00	51.318	14.884	0.017	285.2	284.1	283.0	271.8
20	457.20	-20.00	0.00	51.346	14.627	0.017	285.2	284.1	282.9	271.9
21	457.20	-15.00	0.00	51.372	13.991	0.015	285.2	284.1	282.8	272.2
22	457.20	-10.00	0.00	51.412	13.498	0.014	285.2	284.1	282.6	272.4
23	457.20	-5.00	0.00	51.460	13.260	0.014	285.3	284.2	282.5	272.5
24	457.20	0.00	0.00	51.510	13.403	0.014	285.3	284.1	282.4	272.3
25	457.20	5.00	0.00	51.567	14.106	0.019	285.3	284.1	282.3	271.7
26	457.20	10.00	0.00	51.589	15.101	0.017	285.3	284.1	282.6	271.3
27	457.20	15.00	0.00	51.683	16.283	0.019	285.3	284.1	282.9	270.8
28	457.20	20.00	0.00	51.702	16.525	0.016	285.3	284.1	283.2	270.9
29	457.20	25.00	0.00	51.669	16.053	0.018	285.3	284.1	283.1	271.1
30	457.20	30.00	0.00	51.610	14.970	0.020	285.3	284.1	283.1	271.8
31	457.20	35.00	0.00	51.453	13.204	0.018	285.2	284.1	283.0	273.0
32	457.20	40.00	0.00	51.351	11.243	0.018	285.2	284.1	283.2	274.6
33	457.20	45.00	0.00	51.256	8.999	0.022	285.3	284.1	283.3	276.3
34	457.20	50.00	0.00	51.380	7.545	0.017	285.3	284.1	283.3	277.4
35	457.20	55.00	0.00	51.423	6.221	0.015	285.3	284.1	283.5	278.6
36	457.20	60.00	0.00	51.380	4.901	0.015	285.3	284.1	283.6	279.7
37	457.20	65.00	0.00	51.398	3.900	0.013	285.4	284.2	284.0	280.9
38	457.20	70.00	0.00	51.291	2.975	0.013	285.4	284.2	284.0	281.6
39	457.20	75.00	0.00	51.198	2.312	0.016	285.4	284.2	284.1	282.2
40	457.20	80.00	0.00	51.274	1.681	0.013	285.3	284.2	284.2	282.8
41	457.20	85.00	0.00	51.637	1.111	0.013	285.4	284.2	284.4	283.5
42	457.20	90.00	0.00	51.548	0.762	0.013	285.3	284.2	284.5	283.9
43	457.20	95.00	0.00	51.506	0.518	0.015	285.3	284.1	284.5	284.1
44	457.20	100.00	0.00	51.469	0.296	0.013	285.3	284.1	284.5	284.3
45	457.20	105.00	0.00	51.476	0.105	0.014	285.2	284.1	284.7	284.6
46	457.20	110.00	0.00	51.538	0.040	0.013	285.2	284.2	285.0	285.0

File : TAB149T

15-NOV-88
15-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config I(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.239 kPa

Mean gauged plenum pressure : 51.476 kPa
RMS gauged plenum pressure : 0.071 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.487	0.263	0.013	295.3	286.1	292.7	292.5
3	457.20	-105.00	0.00	51.470	0.491	0.013	294.9	286.0	292.6	292.2
4	457.20	-100.00	0.00	51.441	0.801	0.012	294.7	286.0	292.3	291.6
5	457.20	-95.00	0.00	51.478	1.164	0.012	294.7	286.0	292.2	291.2
6	457.20	-90.00	0.00	51.483	1.750	0.012	294.7	286.0	291.7	290.2
7	457.20	-85.00	0.00	51.497	2.297	0.012	294.7	286.0	291.5	289.6
8	457.20	-80.00	0.00	51.506	3.377	0.012	294.6	286.0	291.1	288.3
9	457.20	-75.00	0.00	51.508	4.139	0.012	294.6	286.0	290.7	287.3
10	457.20	-70.00	0.00	51.532	5.416	0.012	294.5	286.0	290.3	285.9
11	457.20	-65.00	0.00	51.549	6.827	0.012	294.3	286.0	289.8	284.3
12	457.20	-60.00	0.00	51.573	8.436	0.012	294.3	286.0	289.3	282.6
13	457.20	-55.00	0.00	51.603	9.823	0.012	294.2	286.0	289.0	281.2
14	457.20	-50.00	0.00	51.618	11.720	0.014	294.2	286.0	288.7	279.5
15	457.20	-45.00	0.00	51.590	13.383	0.013	294.1	286.0	288.6	278.2
16	457.20	-40.00	0.00	51.589	14.912	0.012	294.1	286.0	288.6	277.2

17	457.20	-35.00	0.00	51.570	15.964	0.012	294.2	286.0	288.6	276.4
18	457.20	-30.00	0.00	51.534	15.987	0.012	294.2	286.0	288.7	276.5
19	457.20	-25.00	0.00	51.492	15.189	0.012	294.3	285.9	288.5	276.9
20	457.20	-20.00	0.00	51.505	13.738	0.013	294.3	285.9	288.0	277.4
21	457.20	-15.00	0.00	51.528	12.094	0.016	294.2	285.9	287.9	278.5
22	457.20	-10.00	0.00	51.493	10.862	0.016	294.2	285.9	287.7	279.2
23	457.20	-5.00	0.00	51.481	10.228	0.019	294.2	285.9	287.7	279.7
24	457.20	0.00	0.00	51.479	10.285	0.018	294.6	285.9	287.7	279.6
25	457.20	5.00	0.00	51.434	11.060	0.015	295.1	285.9	287.7	279.0
26	457.20	10.00	0.00	51.477	12.231	0.015	295.2	285.9	287.8	278.3
27	457.20	15.00	0.00	51.523	13.810	0.014	295.1	285.9	288.0	277.4
28	457.20	20.00	0.00	51.494	15.275	0.017	295.3	285.9	288.2	276.5
29	457.20	25.00	0.00	51.505	16.151	0.014	295.3	285.9	288.4	276.1
30	457.20	30.00	0.00	51.496	15.994	0.015	295.3	285.9	288.4	276.2
31	457.20	35.00	0.00	51.467	14.510	0.014	295.3	285.9	288.6	277.4
32	457.20	40.00	0.00	51.462	12.133	0.016	294.9	285.9	288.6	279.1
33	457.20	45.00	0.00	51.447	10.132	0.015	294.5	285.8	288.5	280.5
34	457.20	50.00	0.00	51.414	7.901	0.014	294.3	285.8	288.9	282.6
35	457.20	55.00	0.00	51.352	6.368	0.015	294.3	285.9	289.2	284.0
36	457.20	60.00	0.00	51.356	4.817	0.019	294.3	285.9	289.7	285.8
37	457.20	65.00	0.00	51.350	3.638	0.015	294.3	285.9	290.2	287.2
38	457.20	70.00	0.00	51.359	3.134	0.014	294.4	285.9	291.1	288.5
39	457.20	75.00	0.00	51.367	1.921	0.015	294.3	286.0	291.2	289.6
40	457.20	80.00	0.00	51.382	1.672	0.013	294.5	286.0	292.0	290.6
41	457.20	85.00	0.00	51.339	0.991	0.016	294.5	286.0	292.1	291.3
42	457.20	90.00	0.00	51.413	0.697	0.014	294.6	286.0	292.4	291.8
43	457.20	95.00	0.00	51.401	0.504	0.014	294.7	286.1	292.8	292.4
44	457.20	100.00	0.00	51.403	0.120	0.022	294.5	286.1	293.0	292.9
45	457.20	105.00	0.00	51.427	0.086	0.019	294.6	286.1	293.2	293.1
46	457.20	110.00	0.00	51.453	0.053	0.016	294.7	286.1	293.4	293.4

File : TAB148T

15-NOV-88
15-NOV-88

Reduced experimental data file

CONFIGURATION I

Unexcited, unheated jet, Mj = 0.8
DRPTAB, CONFIG I(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 51.185 kPa
RMS gauged plenum pressure : 0.111 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.208	0.344	0.012	293.4	286.2	290.9	290.6
3	457.20	0.00	-58.00	51.210	0.407	0.012	293.5	286.2	290.8	290.5
4	457.20	0.00	-56.00	51.239	0.585	0.012	293.6	286.3	290.3	289.8
5	457.20	0.00	-54.00	51.277	0.730	0.012	293.6	286.3	290.3	289.7
6	457.20	0.00	-52.00	51.279	0.806	0.012	293.7	286.3	290.4	289.7
7	457.20	0.00	-50.00	51.317	1.129	0.012	293.8	286.3	290.5	289.6
8	457.20	0.00	-48.00	51.370	1.201	0.012	294.2	286.3	290.7	289.7
9	457.20	0.00	-46.00	51.365	1.369	0.013	294.2	286.3	290.1	289.0
10	457.20	0.00	-44.00	51.335	1.718	0.014	294.4	286.3	290.1	288.7
11	457.20	0.00	-42.00	51.309	2.008	0.013	294.4	286.3	289.9	288.2
12	457.20	0.00	-40.00	51.322	2.371	0.016	294.6	286.3	290.3	288.3
13	457.20	0.00	-38.00	51.304	2.615	0.018	294.7	286.3	289.8	287.6
14	457.20	0.00	-36.00	51.294	3.021	0.015	294.7	286.3	289.7	287.2
15	457.20	0.00	-34.00	51.259	3.370	0.016	294.8	286.3	289.6	286.8
16	457.20	0.00	-32.00	51.262	3.879	0.021	294.8	286.3	289.5	286.3

17	457.20	0.00	-30.00	51.227	4.360	0.019	294.7	286.4	289.1	285.5
18	457.20	0.00	-28.00	51.163	4.791	0.017	294.7	286.3	289.1	285.2
19	457.20	0.00	-26.00	51.180	5.150	0.016	294.8	286.3	288.9	284.7
20	457.20	0.00	-24.00	51.207	5.898	0.022	294.7	286.2	288.6	283.8
21	457.20	0.00	-22.00	51.183	6.361	0.019	294.7	286.2	288.4	283.3
22	457.20	0.00	-20.00	51.205	6.917	0.012	295.2	286.2	288.6	283.0
23	457.20	0.00	-18.00	51.201	7.257	0.012	295.8	286.2	288.4	282.6
24	457.20	0.00	-16.00	51.185	7.869	0.013	295.9	286.2	288.1	281.8
25	457.20	0.00	-14.00	51.159	8.352	0.012	295.9	286.2	288.2	281.6
26	457.20	0.00	-12.00	51.126	8.794	0.012	295.9	286.2	288.4	281.4
27	457.20	0.00	-10.00	51.095	9.251	0.012	295.9	286.2	288.1	280.8
28	457.20	0.00	-8.00	51.101	9.611	0.012	295.9	286.2	288.0	280.4
29	457.20	0.00	-6.00	51.148	9.732	0.013	295.6	286.1	288.1	280.4
30	457.20	0.00	-4.00	51.143	9.818	0.015	295.1	286.2	287.9	280.2
31	457.20	0.00	-2.00	51.103	10.163	0.014	294.9	286.2	287.9	279.9
32	457.20	0.00	0.00	51.079	10.117	0.013	294.8	286.3	287.9	279.9
33	457.20	0.00	2.00	51.063	9.953	0.014	294.7	286.3	287.8	280.0
34	457.20	0.00	4.00	51.026	9.863	0.016	294.7	286.3	287.9	280.1
35	457.20	0.00	6.00	51.014	9.506	0.013	295.0	286.3	288.1	280.6
36	457.20	0.00	8.00	51.016	9.297	0.015	295.2	286.3	288.4	281.0
37	457.20	0.00	10.00	50.954	8.917	0.015	295.2	286.3	288.1	281.0

File : TAB167T 8-DEC-88
21-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
Config. I(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 51.233 kPa
RMS gauged plenum pressure : 0.242 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.407	0.093	0.012	282.2	283.7	281.3	281.2
3	457.20	-105.00	0.00	51.474	0.186	0.012	282.2	283.7	281.6	281.4
4	457.20	-100.00	0.00	51.465	0.431	0.012	282.3	283.7	281.3	280.9
5	457.20	-95.00	0.00	51.451	0.842	0.012	282.3	283.7	281.3	280.6
6	457.20	-90.00	0.00	51.362	1.115	0.012	282.3	283.7	281.1	280.2
7	457.20	-85.00	0.00	51.279	1.714	0.014	282.2	283.7	281.3	279.9
8	457.20	-80.00	0.00	51.236	2.286	0.013	282.3	283.7	281.2	279.4
9	457.20	-75.00	0.00	51.219	3.191	0.012	282.3	283.7	281.1	278.5
10	457.20	-70.00	0.00	51.179	3.788	0.012	282.4	283.7	281.3	278.3
11	457.20	-65.00	0.00	51.202	4.942	0.013	282.5	283.8	281.2	277.3
12	457.20	-60.00	0.00	51.255	6.520	0.013	282.3	283.7	281.0	275.9
13	457.20	-55.00	0.00	51.314	7.878	0.013	282.3	283.7	280.8	274.7
14	457.20	-50.00	0.00	51.461	9.477	0.014	282.3	283.7	281.1	273.8
15	457.20	-45.00	0.00	51.515	10.894	0.013	282.4	283.7	281.3	273.0

16	457.20	-40.00	0.00	51.429	12.951	0.013	282.5	283.7	281.5	271.7
17	457.20	-35.00	0.00	51.385	14.433	0.013	282.5	283.7	281.6	270.8
18	457.20	-30.00	0.00	51.314	15.025	0.014	282.6	283.7	281.4	270.2
19	457.20	-25.00	0.00	51.215	14.550	0.014	282.7	283.8	281.4	270.5
20	457.20	-20.00	0.00	51.122	13.530	0.015	282.7	283.8	281.3	271.1
21	457.20	-15.00	0.00	50.866	12.119	0.017	282.8	283.8	280.9	271.7
22	457.20	-10.00	0.00	50.886	11.004	0.013	282.8	283.8	280.6	272.2
23	457.20	-5.00	0.00	50.840	10.318	0.017	282.9	283.8	280.6	272.7
24	457.20	0.00	0.00	50.745	10.017	0.016	283.0	283.8	280.6	272.9
25	457.20	5.00	0.00	50.661	10.542	0.017	283.1	283.8	280.8	272.7
26	457.20	10.00	0.00	50.632	11.257	0.017	283.1	283.8	280.7	272.1
27	457.20	15.00	0.00	51.167	12.861	0.015	282.9	283.8	281.1	271.4
28	457.20	20.00	0.00	51.171	14.460	0.018	282.9	283.8	281.4	270.6
29	457.20	25.00	0.00	51.222	15.123	0.015	282.9	283.8	281.7	270.4
30	457.20	30.00	0.00	51.232	14.914	0.013	283.0	283.8	281.9	270.7
31	457.20	35.00	0.00	51.392	13.457	0.014	283.1	283.8	282.1	271.9
32	457.20	40.00	0.00	51.489	11.850	0.018	283.0	283.9	281.6	272.6
33	457.20	45.00	0.00	51.564	9.687	0.015	283.1	283.8	281.3	273.8
34	457.20	50.00	0.00	51.462	7.545	0.015	283.1	283.8	281.2	275.3
35	457.20	55.00	0.00	51.351	5.796	0.015	283.1	283.8	280.7	276.1
36	457.20	60.00	0.00	51.178	3.959	0.019	283.0	283.8	281.1	277.9
37	457.20	65.00	0.00	51.099	3.456	0.016	282.9	283.7	280.9	278.1
38	457.20	70.00	0.00	51.063	2.197	0.013	283.0	283.8	281.5	279.7
39	457.20	75.00	0.00	51.262	1.360	0.020	282.9	283.8	281.6	280.5
40	457.20	80.00	0.00	51.493	1.116	0.020	283.1	283.8	281.7	280.8
41	457.20	85.00	0.00	51.606	0.906	0.017	283.2	283.8	281.8	281.1
42	457.20	90.00	0.00	51.573	0.616	0.019	283.3	283.8	281.9	281.4
43	457.20	95.00	0.00	51.439	0.299	0.020	283.2	283.8	282.0	281.8
44	457.20	100.00	0.00	51.258	0.198	0.020	283.3	283.8	282.2	282.0
45	457.20	105.00	0.00	51.031	0.090	0.023	283.3	283.8	282.1	282.0
46	457.20	110.00	0.00	50.920	0.012	0.025	283.2	283.8	282.6	282.6

File : TAB180T

10-DEC-88
23-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config I(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.138 kPa

Mean gauged plenum pressure : 51.259 kPa
RMS gauged plenum pressure : 0.143 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.306	0.230	0.012	282.9	283.8	282.3	282.1
3	457.20	-105.00	0.00	51.470	0.369	0.012	282.9	283.8	282.4	282.1
4	457.20	-100.00	0.00	51.470	0.662	0.012	282.8	283.9	282.3	281.8
5	457.20	-95.00	0.00	51.377	0.964	0.012	282.9	283.9	282.2	281.4
6	457.20	-90.00	0.00	51.405	1.372	0.012	282.9	283.9	282.2	281.1
7	457.20	-85.00	0.00	51.271	1.718	0.012	282.9	283.8	282.2	280.8
8	457.20	-80.00	0.00	51.210	2.396	0.012	283.0	283.9	282.2	280.3
9	457.20	-75.00	0.00	51.169	3.580	0.012	283.0	283.9	282.0	279.1
10	457.20	-70.00	0.00	51.078	4.190	0.013	283.1	283.9	282.0	278.6
11	457.20	-65.00	0.00	51.022	5.217	0.012	283.1	283.8	281.9	277.8
12	457.20	-60.00	0.00	51.001	6.637	0.012	283.1	283.9	281.7	276.5
13	457.20	-55.00	0.00	51.341	8.003	0.012	283.1	283.8	282.0	275.7
14	457.20	-50.00	0.00	51.350	9.678	0.013	283.2	283.8	282.0	274.5
15	457.20	-45.00	0.00	51.385	11.220	0.013	283.2	283.8	282.1	273.5

16	457.20	-40.00	0.00	51.372	12.790	0.012	283.1	283.8	282.1	272.4
17	457.20	-35.00	0.00	51.394	13.911	0.012	283.2	283.8	282.3	271.8
18	457.20	-30.00	0.00	51.360	14.301	0.012	283.2	283.8	282.1	271.3
19	457.20	-25.00	0.00	51.384	13.650	0.012	283.2	283.8	281.8	271.5
20	457.20	-20.00	0.00	51.424	12.782	0.013	283.2	283.8	281.6	271.9
21	457.20	-15.00	0.00	51.405	11.799	0.012	283.2	283.8	281.4	272.4
22	457.20	-10.00	0.00	51.355	10.764	0.012	283.2	283.8	281.3	273.0
23	457.20	-5.00	0.00	51.194	10.349	0.013	283.2	283.8	281.1	273.1
24	457.20	0.00	0.00	51.196	10.416	0.012	283.2	283.8	281.0	273.0
25	457.20	5.00	0.00	51.222	11.002	0.013	283.2	283.8	281.1	272.7
26	457.20	10.00	0.00	51.166	12.208	0.012	283.3	283.8	281.3	272.0
27	457.20	15.00	0.00	51.205	13.388	0.012	283.2	283.8	281.6	271.5
28	457.20	20.00	0.00	51.239	14.286	0.012	283.1	283.8	281.8	271.0
29	457.20	25.00	0.00	51.252	15.181	0.012	283.1	283.8	282.0	270.6
30	457.20	30.00	0.00	51.248	14.619	0.013	283.1	283.8	282.3	271.3
31	457.20	35.00	0.00	51.213	13.452	0.013	283.1	283.8	282.0	271.8
32	457.20	40.00	0.00	51.143	12.003	0.012	283.1	283.8	282.0	272.8
33	457.20	45.00	0.00	51.073	10.095	0.013	283.2	283.8	282.1	274.3
34	457.20	50.00	0.00	51.009	8.329	0.013	283.2	283.8	281.9	275.4
35	457.20	55.00	0.00	50.981	6.759	0.013	283.2	283.8	281.9	276.6
36	457.20	60.00	0.00	51.338	5.538	0.013	283.2	283.8	282.1	277.7
37	457.20	65.00	0.00	51.327	4.408	0.013	283.2	283.8	282.1	278.6
38	457.20	70.00	0.00	51.321	3.329	0.016	283.2	283.8	282.3	279.6
39	457.20	75.00	0.00	51.379	2.335	0.013	283.2	283.8	282.4	280.5
40	457.20	80.00	0.00	51.410	1.724	0.014	283.3	283.8	282.5	281.1
41	457.20	85.00	0.00	51.444	1.193	0.014	283.3	283.8	282.5	281.5
42	457.20	90.00	0.00	51.481	0.873	0.013	283.3	283.8	282.6	281.9
43	457.20	95.00	0.00	51.130	0.552	0.014	283.3	283.8	282.7	282.2
44	457.20	100.00	0.00	51.156	0.341	0.015	283.3	283.8	282.7	282.4
45	457.20	105.00	0.00	51.118	0.162	0.016	283.3	283.8	282.8	282.7
46	457.20	110.00	0.00	51.093	0.065	0.014	283.3	283.8	282.8	282.7

File : TAB161T 17-NOV-88
17-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config III(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 51.441 kPa
RMS gauged plenum pressure : 0.312 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.544	0.262	0.014	288.5	284.9	286.7	286.5
3	457.20	-105.00	0.00	51.369	0.435	0.012	288.7	284.8	286.9	286.5
4	457.20	-100.00	0.00	51.257	0.670	0.013	288.7	284.9	286.5	285.9
5	457.20	-95.00	0.00	51.359	1.004	0.012	288.6	284.9	286.6	285.8
6	457.20	-90.00	0.00	51.369	1.387	0.013	288.5	284.9	286.0	284.9
7	457.20	-85.00	0.00	51.370	2.118	0.013	288.4	284.9	286.0	284.3
8	457.20	-80.00	0.00	51.355	2.554	0.012	288.5	284.9	285.7	283.6
9	457.20	-75.00	0.00	51.367	3.345	0.013	288.6	284.9	285.9	283.2
10	457.20	-70.00	0.00	51.361	4.516	0.013	288.4	285.0	285.8	282.2
11	457.20	-65.00	0.00	50.880	5.260	0.013	288.5	285.0	285.4	281.2
12	457.20	-60.00	0.00	50.903	6.606	0.013	288.5	285.0	285.4	280.1
13	457.20	-55.00	0.00	50.939	7.819	0.013	288.7	284.9	285.2	279.0
14	457.20	-50.00	0.00	50.893	9.054	0.014	288.7	285.0	285.4	278.3
15	457.20	-45.00	0.00	50.859	10.745	0.013	288.6	284.9	285.3	277.0
16	457.20	-40.00	0.00	50.866	12.253	0.013	288.5	284.9	285.1	275.7

17	457.20	-35.00	0.00	50.860	13.687	0.014	288.5	285.0	285.0	274.6
18	457.20	-30.00	0.00	50.821	14.916	0.013	288.5	285.0	284.8	273.5
19	457.20	-25.00	0.00	51.486	15.900	0.015	288.8	285.0	284.7	272.8
20	457.20	-20.00	0.00	51.475	16.321	0.015	288.6	284.9	284.8	272.6
21	457.20	-15.00	0.00	51.449	16.085	0.013	288.9	285.0	284.5	272.4
22	*457.20*	*-10.00*	*0.00*	*51.425*	*15.837*	*0.014*	*288.9*	*284.9*	*284.2*	*272.3*
23	457.20	-5.00	0.00	51.433	15.506	0.018	289.1	285.0	283.9	272.3
24	457.20	0.00	0.00	51.466	15.389	0.016	289.2	284.9	284.1	272.5
25	457.20	5.00	0.00	51.513	15.897	0.015	289.1	285.0	284.1	272.2
26	457.20	10.00	0.00	51.520	16.086	0.014	289.1	284.9	284.3	272.3
27	457.20	15.00	0.00	51.558	16.694	0.014	289.2	284.9	284.5	272.0
28	457.20	20.00	0.00	51.563	16.380	0.017	289.1	284.9	284.3	272.1
29	457.20	25.00	0.00	51.525	15.822	0.018	288.8	284.9	284.8	272.9
30	457.20	30.00	0.00	51.513	14.421	0.016	288.8	284.9	285.0	274.1
31	457.20	35.00	0.00	51.502	12.693	0.018	288.9	284.9	285.1	275.4
32	457.20	40.00	0.00	51.562	10.806	0.016	288.9	284.9	284.7	276.3
33	457.20	45.00	0.00	51.556	9.318	0.020	288.9	284.9	285.1	277.8
34	457.20	50.00	0.00	51.528	6.644	0.018	289.0	284.9	285.3	280.0
35	457.20	55.00	0.00	51.528	5.412	0.021	288.7	284.9	285.3	281.0
36	457.20	60.00	0.00	51.604	4.745	0.018	288.6	284.9	285.3	281.5
37	457.20	65.00	0.00	51.603	2.954	0.016	288.8	284.9	286.0	283.6
38	457.20	70.00	0.00	51.591	2.621	0.017	288.8	284.9	285.5	283.4
39	457.20	75.00	0.00	51.809	1.761	0.020	288.6	284.9	286.2	284.8
40	*457.20*	*80.00*	*0.00*	*51.798*	1.272	*0.021*	*288.7*	*284.9*	*286.8*	285.7
41	457.20	85.00	0.00	51.755	1.064	0.018	288.7	284.9	286.3	285.4
42	457.20	90.00	0.00	51.710	0.732	0.018	288.7	284.9	286.2	285.6
43	457.20	95.00	0.00	51.693	0.391	0.024	288.9	284.9	286.8	286.5
44	457.20	100.00	0.00	51.729	0.243	0.017	288.8	284.9	287.0	286.8
45	457.20	105.00	0.00	51.712	0.108	0.017	289.0	284.9	287.1	287.0
46	457.20	110.00	0.00	52.113	0.061	0.018	289.0	284.9	287.1	287.0

File : TAB162T

17-NOV-88
17-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config III(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.510 kPa

Mean gauged plenum pressure : 51.110 kPa
RMS gauged plenum pressure : 0.290 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	51.615	0.014	0.013	289.0	284.9	287.4	287.4
3	457.20	0.00	-97.00	51.563	0.013	0.014	288.9	284.9	287.4	287.4
4	457.20	0.00	-94.00	51.481	0.012	0.017	289.1	284.9	288.1	288.1
5	457.20	0.00	-91.00	51.452	0.011	0.017	289.1	284.9	287.6	287.6
6	457.20	0.00	-88.00	51.428	0.011	0.015	289.1	284.9	287.6	287.6
7	457.20	0.00	-85.00	51.498	0.011	0.013	289.8	284.9	287.5	287.5
8	457.20	0.00	-82.00	51.499	0.011	0.013	289.9	284.9	287.4	287.4
9	457.20	0.00	-79.00	51.521	0.012	0.014	289.7	284.9	287.1	287.1
10	457.20	0.00	-76.00	51.522	0.025	0.012	289.4	284.9	286.6	286.6
11	457.20	0.00	-73.00	51.514	0.105	0.013	289.3	284.9	286.7	286.6
12	457.20	0.00	-70.00	51.530	0.221	0.013	289.1	284.8	286.2	286.0
13	457.20	0.00	-67.00	51.483	0.283	0.013	289.1	284.8	286.5	286.3
14	457.20	0.00	-64.00	50.983	0.454	0.013	289.0	284.9	285.9	285.5
15	457.20	0.00	-61.00	50.993	0.695	0.013	289.0	284.9	285.8	285.2
16	457.20	0.00	-58.00	51.002	1.047	0.014	289.1	284.9	285.5	284.6

17	457.20	0.00	-55.00	51.077	1.506	0.014	288.9	284.9	285.5	284.3
18	457.20	0.00	-52.00	51.081	1.901	0.013	289.0	284.9	285.2	283.6
19	457.20	0.00	-49.00	51.100	2.312	0.013	289.1	284.8	284.8	282.9
20	457.20	0.00	-46.00	51.064	2.907	0.013	289.1	284.9	284.6	282.2
21	457.20	0.00	-43.00	51.052	3.712	0.013	289.1	284.9	284.8	281.8
22	457.20	0.00	-40.00	51.031	4.510	0.013	289.0	284.9	284.6	281.0
23	457.20	0.00	-37.00	51.061	5.539	0.013	289.0	284.9	284.6	280.2
24	457.20	0.00	-34.00	51.029	6.537	0.016	288.9	284.9	284.8	279.6
25	457.20	0.00	-31.00	50.973	7.523	0.013	288.9	284.9	284.5	278.6
26	457.20	0.00	-28.00	50.989	8.626	0.012	289.1	284.9	284.5	277.7
27	457.20	0.00	-25.00	50.986	9.965	0.014	289.1	284.9	285.1	277.3
28	457.20	0.00	-22.00	50.962	11.178	0.017	289.1	284.9	284.6	276.0
29	457.20	0.00	-19.00	50.922	12.269	0.013	289.0	284.9	284.4	275.0
30	457.20	0.00	-16.00	50.907	13.471	0.015	289.1	284.9	284.7	274.4
31	457.20	0.00	-13.00	50.870	14.484	0.013	289.0	284.9	284.8	273.8
32	457.20	0.00	-10.00	50.833	15.137	0.014	289.0	284.9	284.8	273.4
33	457.20	0.00	-7.00	50.831	15.549	0.017	288.8	284.9	284.6	272.9
34	457.20	0.00	-4.00	50.810	15.650	0.014	288.8	284.8	284.6	272.8
35	457.20	0.00	-1.00	50.821	15.424	0.017	288.7	284.9	284.3	272.7
36	457.20	0.00	2.00	50.847	14.990	0.014	288.8	284.8	284.0	272.7
37	457.20	0.00	5.00	50.878	13.987	0.016	288.7	284.9	283.9	273.3
38	457.20	0.00	8.00	50.879	12.946	0.015	288.9	284.9	283.9	274.0
39	457.20	0.00	11.00	50.914	11.666	0.013	289.0	284.9	283.9	274.9
40	457.20	0.00	14.00	50.915	10.445	0.015	289.0	284.9	283.8	275.7
41	457.20	0.00	17.00	50.915	9.136	0.019	289.0	284.9	283.7	276.6
42	457.20	0.00	20.00	50.891	7.992	0.019	289.1	284.9	283.8	277.5

File : TAB169T 9-DEC-88
21-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
Config III(a)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 51.315 kPa
RMS gauged plenum pressure : 0.245 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.520	0.171	0.017	287.8	284.7	286.2	286.1
3	457.20	-105.00	0.00	51.374	0.215	0.014	287.9	284.7	286.4	286.2
4	457.20	-100.00	0.00	51.312	0.342	0.013	287.9	284.6	285.5	285.2
5	457.20	-95.00	0.00	51.485	0.641	0.014	287.6	284.6	285.5	285.0
6	457.20	-90.00	0.00	51.414	0.904	0.013	287.7	284.7	285.6	284.9
7	457.20	-85.00	0.00	51.234	1.477	0.013	287.9	284.7	285.8	284.6
8	457.20	-80.00	0.00	51.077	2.038	0.013	288.0	284.7	285.8	284.1
9	457.20	-75.00	0.00	51.438	2.570	0.012	288.2	284.7	285.4	283.3
10	457.20	-70.00	0.00	51.205	3.581	0.013	288.1	284.8	285.5	282.6
11	457.20	-65.00	0.00	51.253	4.159	0.013	288.2	284.8	285.4	282.0
12	457.20	-60.00	0.00	51.359	5.340	0.013	288.3	284.8	285.1	280.8
13	457.20	-55.00	0.00	51.511	6.731	0.013	288.5	284.8	285.2	279.8
14	457.20	-50.00	0.00	51.634	7.880	0.013	288.5	284.8	284.9	278.7
15	457.20	-45.00	0.00	51.628	9.650	0.013	288.4	284.8	284.9	277.4

16	457.20	-40.00	0.00	51.526	11.223	0.013	288.5	284.8	284.8	276.1
17	457.20	-35.00	0.00	51.391	12.508	0.013	288.4	284.8	284.6	275.0
18	457.20	-30.00	0.00	51.198	13.972	0.012	288.5	284.8	284.5	273.9
19	457.20	-25.00	0.00	51.055	14.845	0.013	288.7	284.8	284.4	273.2
20	457.20	-20.00	0.00	50.950	15.449	0.012	289.1	284.8	284.4	272.8
21	457.20	-15.00	0.00	50.976	15.405	0.012	289.2	284.8	284.2	272.6
22	457.20	-10.00	0.00	50.998	15.264	0.012	289.3	284.8	283.8	272.3
23	457.20	-5.00	0.00	51.123	15.257	0.012	289.4	284.8	283.9	272.4
24	457.20	0.00	0.00	51.191	15.289	0.012	289.1	284.8	283.5	272.0
25	457.20	5.00	0.00	51.152	15.556	0.012	288.6	284.8	283.7	272.0
26	457.20	10.00	0.00	51.057	15.923	0.012	288.5	284.8	284.3	272.3
27	457.20	15.00	0.00	51.181	16.512	0.012	288.6	284.8	284.3	271.9
28	457.20	20.00	0.00	51.130	16.447	0.012	288.6	284.8	284.7	272.4
29	457.20	25.00	0.00	51.021	15.702	0.012	288.7	284.8	284.7	272.9
30	457.20	30.00	0.00	50.921	14.254	0.012	288.7	284.8	285.0	274.2
31	457.20	35.00	0.00	51.337	12.280	0.012	288.5	284.8	284.5	275.1
32	457.20	40.00	0.00	51.402	10.322	0.012	288.6	284.8	284.3	276.3
33	457.20	45.00	0.00	51.547	7.983	0.012	288.4	284.8	284.6	278.3
34	457.20	50.00	0.00	51.712	6.214	0.013	288.3	284.8	284.5	279.6
35	457.20	55.00	0.00	51.391	5.089	0.012	288.5	284.8	284.8	280.7
36	457.20	60.00	0.00	51.338	3.638	0.013	288.7	284.8	284.9	282.0
37	457.20	65.00	0.00	51.182	2.866	0.012	288.6	284.8	285.0	282.7
38	457.20	70.00	0.00	51.008	2.177	0.012	288.7	284.8	285.9	284.1
39	457.20	75.00	0.00	51.509	1.205	0.012	288.6	284.8	286.0	285.0
40	457.20	80.00	0.00	51.462	1.258	0.012	288.6	284.8	286.3	285.3
41	457.20	85.00	0.00	51.545	0.911	0.012	288.6	284.8	285.9	285.1
42	457.20	90.00	0.00	51.688	0.416	0.012	288.5	284.7	285.8	285.5
43	457.20	95.00	0.00	51.929	0.284	0.013	288.2	284.7	286.7	286.5
44	457.20	100.00	0.00	51.431	0.302	0.012	288.4	284.7	286.3	286.0
45	457.20	105.00	0.00	51.487	0.115	0.012	288.3	284.7	285.9	285.8
46	457.20	110.00	0.00	51.419	0.074	0.012	288.3	284.7	287.0	286.9

File : TAB177T

10-DEC-88
22-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config III(a)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.307 kPa

Mean gauged plenum pressure : 51.371 kPa
RMS gauged plenum pressure : 0.227 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.373	0.111	0.012	285.7	284.0	284.9	284.8
3	457.20	-105.00	0.00	51.250	0.257	0.012	285.5	284.1	284.6	284.4
4	457.20	-100.00	0.00	51.059	0.503	0.012	285.5	284.1	284.5	284.1
5	457.20	-95.00	0.00	51.416	0.848	0.012	285.4	284.1	284.4	283.7
6	457.20	-90.00	0.00	51.340	0.996	0.012	285.3	284.1	284.2	283.4
7	457.20	-85.00	0.00	51.372	1.507	0.012	285.3	284.1	284.1	282.9
8	457.20	-80.00	0.00	51.376	2.369	0.012	285.3	284.1	284.0	282.1
9	457.20	-75.00	0.00	51.300	2.837	0.012	285.3	284.1	283.9	281.6
10	457.20	-70.00	0.00	51.247	3.653	0.012	285.2	284.1	283.7	280.8
11	457.20	-65.00	0.00	51.217	4.134	0.012	285.2	284.1	283.5	280.2
12	457.20	-60.00	0.00	51.213	5.099	0.012	285.2	284.1	283.3	279.2
13	457.20	-55.00	0.00	51.086	6.519	0.012	285.2	284.1	283.2	278.0
14	457.20	-50.00	0.00	51.372	7.663	0.012	285.1	284.1	283.2	277.2
15	457.20	-45.00	0.00	51.314	9.534	0.012	285.1	284.1	283.1	275.7

16	457.20	-40.00	0.00	51.334	11.204	0.012	285.2	284.1	283.2	274.6
17	457.20	-35.00	0.00	51.350	13.003	0.012	285.1	284.1	283.0	273.1
18	457.20	-30.00	0.00	51.327	14.645	0.012	285.1	284.1	283.1	272.1
19	457.20	-25.00	0.00	51.331	15.566	0.012	285.1	284.1	283.2	271.5
20	457.20	-20.00	0.00	51.342	16.172	0.012	285.1	284.1	283.2	271.1
21	457.20	-15.00	0.00	51.373	16.179	0.012	285.2	284.1	283.0	270.9
22	457.20	-10.00	0.00	51.363	16.124	0.012	285.2	284.2	282.9	270.9
23	457.20	-5.00	0.00	51.410	15.761	0.012	285.2	284.1	282.7	270.9
24	457.20	0.00	0.00	51.424	15.545	0.012	285.2	284.2	282.6	271.0
25	457.20	5.00	0.00	51.465	15.696	0.012	285.3	284.2	282.5	270.8
26	457.20	10.00	0.00	51.487	15.912	0.013	285.3	284.2	282.8	270.9
27	457.20	15.00	0.00	51.573	16.006	0.013	285.3	284.2	283.1	271.1
28	457.20	20.00	0.00	51.294	15.531	0.013	285.3	284.2	283.0	271.4
29	457.20	25.00	0.00	51.331	15.028	0.013	285.3	284.2	283.2	271.9
30	457.20	30.00	0.00	51.364	13.538	0.012	285.3	284.2	283.2	272.9
31	457.20	35.00	0.00	51.253	12.091	0.012	285.3	284.2	283.4	274.1
32	457.20	40.00	0.00	51.341	10.067	0.012	285.3	284.1	283.4	275.6
33	457.20	45.00	0.00	51.152	8.470	0.012	285.3	284.1	283.3	276.7
34	457.20	50.00	0.00	51.875	7.188	0.012	285.3	284.2	283.5	277.8
35	457.20	55.00	0.00	51.683	5.864	0.012	285.3	284.3	283.6	278.9
36	457.20	60.00	0.00	51.087	4.609	0.012	285.2	284.2	283.5	279.8
37	457.20	65.00	0.00	51.279	3.670	0.012	285.2	284.1	283.7	280.7
38	457.20	70.00	0.00	51.328	2.811	0.012	285.2	284.1	283.9	281.6
39	457.20	75.00	0.00	51.485	2.072	0.012	285.1	284.2	284.0	282.3
40	457.20	80.00	0.00	51.545	1.588	0.012	285.1	284.2	284.0	282.7
41	457.20	85.00	0.00	51.074	1.167	0.012	285.1	284.2	284.3	283.3
42	457.20	90.00	0.00	51.274	0.778	0.012	285.1	284.1	284.3	283.7
43	457.20	95.00	0.00	51.510	0.444	0.013	285.1	284.1	284.4	284.0
44	457.20	100.00	0.00	51.449	0.249	0.012	285.2	284.2	284.6	284.4
45	457.20	105.00	0.00	51.394	0.099	0.012	285.1	284.2	284.6	284.5
46	457.20	110.00	0.00	51.324	0.044	0.012	285.1	284.1	284.6	284.6

File : TAB155T 16-NOV-88
16-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config. III(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.833 kPa

Mean gauged plenum pressure : 51.086 kPa
RMS gauged plenum pressure : 0.416 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.487	0.256	0.012	297.0	286.7	294.7	294.5
3	457.20	-105.00	0.00	51.892	0.517	0.012	296.9	286.7	294.2	293.8
4	457.20	-100.00	0.00	52.438	0.680	0.012	296.5	286.6	293.9	293.3
5	457.20	-95.00	0.00	51.220	0.971	0.012	296.6	286.6	293.3	292.5
6	457.20	-90.00	0.00	51.218	1.529	0.012	296.2	286.6	293.1	291.8
7	457.20	-85.00	0.00	51.065	2.334	0.012	296.4	286.5	293.1	291.1
8	457.20	-80.00	0.00	50.884	2.952	0.012	296.3	286.5	292.7	290.2
9	457.20	-75.00	0.00	50.687	3.769	0.012	296.2	286.5	292.3	289.2
10	457.20	-70.00	0.00	50.511	4.818	0.012	296.2	286.5	291.9	287.9
11	457.20	-65.00	0.00	50.480	6.179	0.012	296.0	286.5	291.3	286.2
12	457.20	-60.00	0.00	50.571	7.331	0.012	296.0	286.5	291.2	285.2
13	457.20	-55.00	0.00	50.793	8.646	0.012	296.1	286.5	291.0	284.0
14	457.20	-50.00	0.00	51.009	10.103	0.012	296.1	286.5	290.7	282.6
15	457.20	-45.00	0.00	51.010	11.375	0.012	296.1	286.5	290.4	281.4
16	457.20	-40.00	0.00	50.845	12.735	0.012	296.1	286.5	290.4	280.4

17	457.20	-35.00	0.00	50.756	13.439	0.012	296.0	286.4	290.2	279.7
18	457.20	-30.00	0.00	50.695	13.854	0.012	295.9	286.4	290.0	279.2
19	457.20	-25.00	0.00	50.609	13.561	0.012	295.9	286.4	289.7	279.1
20	457.20	-20.00	0.00	50.627	12.791	0.012	295.8	286.4	289.6	279.6
21	457.20	-15.00	0.00	50.745	11.745	0.012	295.9	286.4	289.4	280.2
22	457.20	-10.00	0.00	50.840	11.008	0.012	296.0	286.3	289.4	280.7
23	457.20	-5.00	0.00	50.902	10.526	0.012	295.9	286.3	289.1	280.8
24	457.20	0.00	0.00	50.969	10.349	0.012	295.9	286.3	288.9	280.7
25	457.20	5.00	0.00	50.959	10.999	0.012	295.8	286.3	289.0	280.3
26	457.20	10.00	0.00	50.927	11.724	0.012	295.7	286.2	289.1	279.9
27	457.20	15.00	0.00	50.931	12.953	0.012	295.8	286.3	289.4	279.3
28	457.20	20.00	0.00	50.940	13.666	0.012	295.9	286.2	289.6	279.0
29	457.20	25.00	0.00	50.886	14.067	0.012	296.6	286.2	289.9	279.0
30	457.20	30.00	0.00	50.726	13.661	0.012	296.9	286.2	289.8	279.2
31	457.20	35.00	0.00	50.696	12.711	0.012	296.7	286.2	290.0	280.0
32	457.20	40.00	0.00	50.817	10.860	0.012	297.0	286.2	290.1	281.5
33	457.20	45.00	0.00	50.930	9.298	0.012	296.9	286.2	290.0	282.6
34	457.20	50.00	0.00	51.073	7.035	0.012	296.4	286.2	290.3	284.6
35	457.20	55.00	0.00	51.125	5.784	0.013	296.4	286.2	290.6	285.9
36	457.20	60.00	0.00	51.097	4.437	0.013	296.5	286.2	290.9	287.2
37	457.20	65.00	0.00	51.027	3.680	0.013	296.2	286.2	291.4	288.3
38	457.20	70.00	0.00	50.972	2.884	0.013	296.0	286.2	291.8	289.4
39	457.20	75.00	0.00	51.277	2.374	0.012	295.9	286.2	292.1	290.1
40	457.20	80.00	0.00	51.472	1.705	0.012	295.8	286.2	292.3	290.9
41	457.20	85.00	0.00	51.628	1.202	0.013	295.7	286.2	292.9	291.9
42	457.20	90.00	0.00	51.734	0.830	0.012	295.7	286.2	293.1	292.4
43	457.20	95.00	0.00	51.754	0.450	0.012	295.7	286.2	293.5	293.1
44	457.20	100.00	0.00	51.718	0.263	0.014	295.7	286.2	293.8	293.6
45	457.20	105.00	0.00	51.624	0.149	0.014	295.6	286.2	294.0	293.9
46	457.20	110.00	0.00	51.561	0.024	0.015	295.6	286.2	294.3	294.3

File : TAB156T 16-NOV-88
16-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config. III(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.799 kPa

Mean gauged plenum pressure : 52.019 kPa
RMS gauged plenum pressure : 0.330 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	51.478	0.013	0.016	296.3	286.2	294.3	294.3
3	457.20	0.00	-97.00	51.492	0.012	0.014	296.2	286.2	294.5	294.5
4	457.20	0.00	-94.00	51.610	0.012	0.013	296.4	286.2	294.2	294.2
5	457.20	0.00	-91.00	51.732	0.013	0.014	296.4	286.2	294.0	294.0
6	457.20	0.00	-88.00	51.823	0.024	0.020	296.0	286.2	293.8	293.8
7	457.20	0.00	-85.00	51.865	0.048	0.016	295.6	286.1	293.5	293.5
8	457.20	0.00	-82.00	51.848	0.160	0.014	295.5	286.1	293.2	293.1
9	457.20	0.00	-79.00	52.013	0.215	0.014	295.4	286.1	292.9	292.7
10	457.20	0.00	-76.00	51.896	0.352	0.013	295.4	286.1	292.7	292.4
11	457.20	0.00	-73.00	51.824	0.595	0.013	295.4	286.1	292.4	291.9
12	457.20	0.00	-70.00	51.754	0.739	0.014	295.4	286.1	292.4	291.8
13	457.20	0.00	-67.00	51.730	0.990	0.014	295.3	286.0	292.1	291.3
14	457.20	0.00	-64.00	51.751	1.430	0.014	295.3	286.1	292.0	290.8
15	457.20	0.00	-61.00	51.750	1.752	0.014	295.4	286.0	291.6	290.1
16	457.20	0.00	-58.00	51.749	2.102	0.013	295.3	286.1	291.5	289.7

17	457.20	0.00	-55.00	51.713	2.582	0.014	295.3	286.0	291.2	289.0
18	457.20	0.00	-52.00	51.680	3.106	0.013	295.3	286.0	291.1	288.5
19	457.20	0.00	-49.00	51.671	3.695	0.014	295.3	286.0	290.9	287.8
20	457.20	0.00	-46.00	51.658	4.359	0.013	295.3	286.0	290.7	287.1
21	457.20	0.00	-43.00	51.836	4.939	0.014	295.3	286.0	290.6	286.5
22	457.20	0.00	-40.00	52.217	5.734	0.013	295.3	286.0	290.3	285.6
23	457.20	0.00	-37.00	52.229	6.464	0.013	295.3	286.0	290.2	284.9
24	457.20	0.00	-34.00	52.225	7.143	0.015	295.3	286.0	290.0	284.2
25	457.20	0.00	-31.00	52.166	7.927	0.013	295.6	286.0	290.0	283.6
26	457.20	0.00	-28.00	52.139	8.833	0.013	296.2	286.0	289.9	282.8
27	457.20	0.00	-25.00	52.093	9.441	0.013	296.3	286.0	289.8	282.3
28	457.20	0.00	-22.00	52.170	10.154	0.014	296.0	286.0	289.5	281.4
29	457.20	0.00	-19.00	52.207	10.794	0.015	296.3	286.0	289.2	280.7
30	457.20	0.00	-16.00	52.136	11.244	0.019	296.4	286.0	289.2	280.3
31	457.20	0.00	-13.00	52.181	11.613	0.014	296.4	286.1	289.0	279.9
32	457.20	0.00	-10.00	52.263	11.629	0.012	296.1	286.0	288.8	279.7
33	457.20	0.00	-7.00	52.270	11.766	0.013	296.0	286.0	288.7	279.5
34	457.20	0.00	-4.00	52.290	11.434	0.014	295.6	286.0	288.4	279.4
35	457.20	0.00	-1.00	52.350	10.896	0.013	295.3	286.0	288.4	279.8
36	457.20	0.00	2.00	52.416	10.461	0.013	295.1	286.0	288.3	280.0
37	457.20	0.00	5.00	52.498	9.722	0.013	295.0	286.1	288.4	280.7
38	457.20	0.00	8.00	52.535	8.945	0.013	295.0	286.0	288.3	281.2
39	457.20	0.00	11.00	52.583	8.185	0.013	294.9	286.0	288.5	281.9
40	457.20	0.00	14.00	52.679	7.272	0.012	294.9	286.0	288.6	282.7
41	457.20	0.00	17.00	52.497	6.273	0.013	294.9	286.0	288.8	283.7
42	457.20	0.00	20.00	52.359	5.479	0.012	294.8	286.0	288.8	284.3

File : TAB170T

9-DEC-88
21-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB
Config III(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.239 kPa

Mean gauged plenum pressure : 51.385 kPa
RMS gauged plenum pressure : 0.426 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	52.176	0.165	0.019	289.3	284.8	287.3	287.2
3	457.20	-105.00	0.00	52.187	0.234	0.014	289.1	284.8	287.0	286.8
4	457.20	-100.00	0.00	51.835	0.447	0.016	289.1	284.8	286.9	286.5
5	457.20	-95.00	0.00	51.532	0.655	0.019	289.4	284.8	287.0	286.5
6	457.20	-90.00	0.00	51.267	1.057	0.018	289.4	284.8	286.9	286.0
7	457.20	-85.00	0.00	50.898	1.492	0.016	289.4	284.8	286.5	285.3
8	457.20	-80.00	0.00	49.896	2.156	0.018	289.3	284.8	286.0	284.2
9	457.20	-75.00	0.00	52.759	2.993	0.017	289.3	284.9	286.4	284.0
10	457.20	-70.00	0.00	51.100	3.744	0.013	289.4	285.0	286.0	283.0
11	457.20	-65.00	0.00	50.999	5.004	0.016	289.4	284.9	285.8	281.8
12	457.20	-60.00	0.00	51.430	6.169	0.016	289.4	284.9	285.8	280.9
13	457.20	-55.00	0.00	51.327	7.126	0.013	289.5	284.9	285.5	279.8
14	457.20	-50.00	0.00	51.176	8.544	0.014	289.7	284.9	285.4	278.7
15	457.20	-45.00	0.00	51.506	9.671	0.014	289.6	284.9	285.4	277.8

16	457.20	-40.00	0.00	51.468	11.182	0.013	289.4	284.9	285.5	276.8
17	457.20	-35.00	0.00	51.760	12.518	0.013	289.1	285.0	285.3	275.7
18	457.20	-30.00	0.00	51.279	12.837	0.013	289.2	285.0	285.1	275.3
19	457.20	-25.00	0.00	51.189	12.846	0.012	289.1	285.0	285.3	275.4
20	457.20	-20.00	0.00	51.187	12.396	0.012	289.2	285.0	284.8	275.3
21	457.20	-15.00	0.00	51.358	11.932	0.012	289.2	284.9	284.5	275.3
22	457.20	-10.00	0.00	51.324	11.159	0.012	289.2	284.9	284.5	275.9
23	457.20	-5.00	0.00	51.358	10.666	0.012	289.1	284.9	284.1	275.8
24	457.20	0.00	0.00	51.435	10.690	0.012	289.2	284.9	284.3	276.0
25	457.20	5.00	0.00	51.533	11.301	0.012	289.3	285.0	284.4	275.7
26	457.20	10.00	0.00	51.324	12.061	0.012	289.1	285.0	284.4	275.1
27	457.20	15.00	0.00	51.732	13.200	0.012	289.1	285.0	284.8	274.7
28	457.20	20.00	0.00	51.046	13.771	0.012	289.2	284.9	285.2	274.7
29	457.20	25.00	0.00	51.411	14.347	0.012	289.2	284.9	285.2	274.3
30	457.20	30.00	0.00	50.928	13.568	0.012	289.2	284.9	285.3	274.9
31	457.20	35.00	0.00	51.266	12.341	0.012	289.3	284.9	285.2	275.7
32	457.20	40.00	0.00	51.503	10.888	0.012	289.4	284.9	284.9	276.5
33	457.20	45.00	0.00	51.267	8.890	0.013	289.4	285.0	285.3	278.3
34	457.20	50.00	0.00	51.564	6.907	0.012	289.4	284.9	285.2	279.7
35	457.20	55.00	0.00	51.695	5.435	0.012	289.4	285.0	285.3	280.9
36	457.20	60.00	0.00	51.296	4.362	0.012	289.7	284.9	285.4	281.9
37	457.20	65.00	0.00	51.327	3.589	0.012	290.0	284.9	285.7	282.8
38	457.20	70.00	0.00	51.149	2.337	0.012	290.5	284.9	285.8	283.9
39	457.20	75.00	0.00	50.876	1.855	0.012	290.7	284.9	286.1	284.6
40	457.20	80.00	0.00	51.390	1.371	0.012	290.7	285.0	286.6	285.5
41	457.20	85.00	0.00	51.361	0.772	0.012	290.7	284.9	286.8	286.2
42	457.20	90.00	0.00	51.483	0.672	0.012	290.0	284.9	286.7	286.1
43	457.20	95.00	0.00	51.479	0.369	0.012	289.8	284.9	286.8	286.5
44	457.20	100.00	0.00	51.632	0.155	0.012	289.5	284.9	286.9	286.8
45	457.20	105.00	0.00	51.287	0.103	0.012	289.3	285.0	286.9	286.8
46	457.20	110.00	0.00	51.275	0.050	0.012	289.5	285.0	287.3	287.3

File : TAB181T

10-DEC-88
23-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config III(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.138 kPa

Mean gauged plenum pressure : 51.321 kPa
RMS gauged plenum pressure : 0.209 kPa

Test pt.	C1 mm	C2 mm.	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.373	0.191	0.013	283.4	283.8	283.1	282.9
3	457.20	-105.00	0.00	51.302	0.243	0.013	283.5	283.8	282.9	282.7
4	457.20	-100.00	0.00	51.269	0.378	0.013	283.5	283.8	282.8	282.5
5	457.20	-95.00	0.00	51.231	0.865	0.013	283.5	283.8	282.8	282.1
6	457.20	-90.00	0.00	51.244	1.347	0.013	283.5	283.8	282.8	281.7
7	457.20	-85.00	0.00	51.269	1.634	0.014	283.5	283.9	282.5	281.2
8	457.20	-80.00	0.00	51.283	2.223	0.013	283.5	283.9	282.6	280.8
9	457.20	-75.00	0.00	51.279	2.959	0.013	283.5	283.9	282.6	280.2
10	457.20	-70.00	0.00	51.239	3.768	0.013	283.5	283.9	282.3	279.3
11	457.20	-65.00	0.00	51.208	4.769	0.013	283.5	283.9	282.3	278.5
12	457.20	-60.00	0.00	51.192	5.790	0.013	283.6	283.9	282.3	277.7
13	457.20	-55.00	0.00	51.028	6.968	0.014	283.6	283.9	282.3	276.8
14	457.20	-50.00	0.00	50.960	8.187	0.013	283.7	283.9	282.3	275.9
15	457.20	-45.00	0.00	50.996	10.009	0.013	283.6	283.9	282.3	274.6

16	457.20	-40.00	0.00	51.463	11.764	0.018	283.6	283.9	282.2	273.2
17	457.20	-35.00	0.00	51.424	13.249	0.014	283.6	283.9	282.5	272.4
18	457.20	-30.00	0.00	51.408	14.138	0.013	283.7	283.9	282.4	271.7
19	457.20	-25.00	0.00	51.435	14.778	0.014	283.7	283.9	282.5	271.4
20	457.20	-20.00	0.00	51.479	14.767	0.017	283.7	283.9	282.3	271.2
21	457.20	-15.00	0.00	51.493	14.367	0.018	283.6	283.9	281.9	271.1
22	457.20	-10.00	0.00	51.522	13.645	0.016	283.7	283.9	281.8	271.5
23	457.20	-5.00	0.00	51.575	13.133	0.014	283.7	283.9	281.7	271.8
24	457.20	0.00	0.00	51.632	13.013	0.014	283.8	283.9	281.7	271.8
25	457.20	5.00	0.00	51.656	12.978	0.013	283.8	283.9	281.6	271.8
26	457.20	10.00	0.00	51.632	13.484	0.014	283.8	284.0	281.9	271.7
27	457.20	15.00	0.00	51.627	13.785	0.015	283.9	283.9	281.9	271.5
28	457.20	20.00	0.00	51.093	14.291	0.015	283.8	283.9	282.3	271.5
29	457.20	25.00	0.00	51.089	14.126	0.018	283.9	283.9	282.5	271.8
30	457.20	30.00	0.00	51.012	13.234	0.017	283.9	283.9	282.6	272.5
31	457.20	35.00	0.00	51.013	11.901	0.018	284.0	283.9	282.5	273.4
32	457.20	40.00	0.00	51.021	10.445	0.018	284.0	283.9	282.4	274.3
33	457.20	45.00	0.00	50.994	8.721	0.016	283.9	283.9	282.6	275.8
34	457.20	50.00	0.00	51.343	7.413	0.017	283.9	283.9	282.6	276.8
35	457.20	55.00	0.00	51.334	5.916	0.018	284.0	283.9	282.6	277.9
36	457.20	60.00	0.00	51.370	4.757	0.017	283.9	283.9	282.5	278.7
37	457.20	65.00	0.00	51.393	3.759	0.019	283.9	283.9	282.6	279.6
38	457.20	70.00	0.00	51.383	3.009	0.018	283.9	283.9	282.8	280.4
39	457.20	75.00	0.00	51.385	2.158	0.018	283.9	283.9	282.9	281.1
40	457.20	80.00	0.00	51.330	1.746	0.019	283.9	283.9	283.2	281.8
41	457.20	85.00	0.00	51.365	1.117	0.017	283.9	283.9	283.3	282.4
42	457.20	90.00	0.00	51.385	0.776	0.021	284.0	283.9	283.4	282.8
43	457.20	95.00	0.00	51.387	0.515	0.020	284.0	283.9	283.4	283.0
44	457.20	100.00	0.00	51.382	0.280	0.022	284.0	283.9	283.4	283.2
45	457.20	105.00	0.00	51.379	0.184	0.021	284.0	284.0	283.6	283.4
46	457.20	110.00	0.00	51.390	0.095	0.020	284.1	284.0	283.7	283.6

File : TAB151T

15-NOV-88
15-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config II(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.205 kPa

Mean gauged plenum pressure : 51.219 kPa
RMS gauged plenum pressure : 0.115 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.327	0.027	0.023	293.4	285.7	292.6	292.6
3	457.20	-105.00	0.00	51.405	0.016	0.023	293.3	285.8	293.0	293.0
4	457.20	-100.00	0.00	51.419	0.013	0.018	293.7	285.8	293.8	293.8
5	457.20	-95.00	0.00	51.431	0.014	0.022	294.1	285.8	293.4	293.4
6	457.20	-90.00	0.00	51.434	0.013	0.020	294.5	285.8	293.5	293.5
7	457.20	-85.00	0.00	51.451	0.012	0.020	294.2	285.8	293.4	293.4
8	457.20	-80.00	0.00	51.438	0.011	0.020	294.3	285.8	293.3	293.3
9	457.20	-75.00	0.00	51.390	0.010	0.023	294.1	285.8	292.8	292.8
10	457.20	-70.00	0.00	51.362	0.009	0.019	294.3	285.8	293.0	293.0
11	457.20	-65.00	0.00	51.318	0.010	0.016	294.1	285.8	292.0	292.0
12	457.20	-60.00	0.00	51.285	0.087	0.019	293.8	285.8	291.3	291.2
13	457.20	-55.00	0.00	51.305	0.176	0.019	293.6	285.8	290.5	290.4
14	457.20	-50.00	0.00	51.281	0.592	0.020	293.6	285.8	289.7	289.2
15	457.20	-45.00	0.00	51.292	1.126	0.019	293.5	285.8	289.2	288.3
16	457.20	-40.00	0.00	51.300	1.955	0.016	293.6	285.8	288.4	286.8

17	457.20	-35.00	0.00	51.270	3.155	0.017	293.5	285.9	288.0	285.4
18	457.20	-30.00	0.00	51.238	4.871	0.016	293.5	285.9	287.5	283.5
19	457.20	-25.00	0.00	51.212	6.890	0.014	293.6	285.9	287.2	281.7
20	457.20	-20.00	0.00	51.193	9.599	0.016	293.7	285.9	287.2	279.6
21	457.20	-15.00	0.00	51.196	12.762	0.016	293.7	285.9	287.4	277.5
22	457.20	-10.00	0.00	51.171	15.555	0.019	293.5	285.9	287.4	275.6
23	457.20	-5.00	0.00	51.155	17.263	0.014	293.5	285.9	287.6	274.6
24	457.20	0.00	0.00	51.088	17.329	0.014	293.5	285.9	287.6	274.5
25	457.20	5.00	0.00	51.082	14.724	0.015	293.5	285.9	287.4	276.1
26	457.20	10.00	0.00	51.096	12.511	0.017	293.5	285.9	287.1	277.4
27	457.20	15.00	0.00	51.123	9.106	0.017	293.4	285.9	287.0	279.8
28	457.20	20.00	0.00	51.134	6.658	0.015	293.3	285.8	287.0	281.7
29	457.20	25.00	0.00	51.141	4.337	0.016	293.3	285.9	287.3	283.8
30	457.20	30.00	0.00	51.140	2.956	0.015	293.4	285.8	288.1	285.7
31	457.20	35.00	0.00	51.166	1.777	0.015	293.5	285.8	288.6	287.1
32	457.20	40.00	0.00	51.115	0.895	0.018	293.4	285.8	289.4	288.6
33	457.20	45.00	0.00	51.116	0.428	0.018	293.6	285.8	290.0	289.6
34	457.20	50.00	0.00	51.124	0.134	0.015	294.1	285.8	290.9	290.8
35	457.20	55.00	0.00	51.174	0.029	0.015	294.2	285.8	291.3	291.3
36	457.20	60.00	0.00	51.199	0.011	0.014	294.6	285.7	292.1	292.1
37	457.20	65.00	0.00	51.194	0.010	0.015	294.7	285.7	292.3	292.3
38	457.20	70.00	0.00	51.195	0.010	0.015	294.3	285.7	292.7	292.7
39	457.20	75.00	0.00	51.184	0.011	0.015	294.2	285.7	292.8	292.8
40	457.20	80.00	0.00	51.182	0.012	0.015	294.1	285.7	293.2	293.2
41	457.20	85.00	0.00	51.146	0.012	0.013	294.1	285.8	293.2	293.2
42	457.20	90.00	0.00	51.101	0.013	0.013	293.8	285.7	293.3	293.3
43	457.20	95.00	0.00	51.102	0.012	0.015	293.6	285.8	293.3	293.3
44	457.20	100.00	0.00	51.120	0.013	0.016	293.6	285.7	293.3	293.3
45	457.20	105.00	0.00	51.100	0.013	0.013	293.6	285.8	293.2	293.2
46	457.20	110.00	0.00	51.073	0.013	0.013	293.6	285.8	293.2	293.2

File : TAB152T 16-NOV-88
16-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config. II(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.171 kPa

Mean gauged plenum pressure : 51.149 kPa
RMS gauged plenum pressure : 0.084 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	51.185	0.621	0.036	290.2	285.0	287.9	287.4
3	457.20	0.00	-97.00	51.181	0.822	0.046	289.9	285.1	287.5	286.8
4	457.20	0.00	-94.00	51.199	1.125	0.051	289.4	285.1	287.6	286.7
5	457.20	0.00	-91.00	51.295	1.357	0.049	289.3	285.2	287.3	286.2
6	457.20	0.00	-88.00	51.295	1.772	0.050	289.1	285.1	287.4	285.9
7	457.20	0.00	-85.00	51.289	2.073	0.051	289.1	285.1	287.3	285.6
8	457.20	0.00	-82.00	51.251	2.630	0.049	289.0	285.2	287.2	285.0
9	457.20	0.00	-79.00	51.239	3.193	0.047	289.1	285.2	287.5	284.9
10	457.20	0.00	-76.00	51.218	3.831	0.047	289.0	285.2	287.2	284.1
11	457.20	0.00	-73.00	51.228	4.403	0.050	289.1	285.2	287.1	283.5
12	457.20	0.00	-70.00	51.206	5.052	0.052	289.1	285.2	287.1	283.0
13	457.20	0.00	-67.00	51.159	5.665	0.054	289.0	285.2	287.2	282.6
14	457.20	0.00	-64.00	51.171	6.338	0.057	289.1	285.2	287.1	282.0
15	457.20	0.00	-61.00	51.139	6.971	0.054	289.1	285.3	287.1	281.5
16	457.20	0.00	-58.00	51.110	7.646	0.053	289.0	285.2	286.9	280.8

17	457.20	0.00	-55.00	51.066	8.269	0.055	289.0	285.3	286.8	280.2
18	457.20	0.00	-52.00	51.081	8.640	0.054	289.1	285.2	286.8	280.0
19	457.20	0.00	-49.00	51.056	9.159	0.053	289.2	285.3	286.6	279.4
20	457.20	0.00	-46.00	51.044	10.001	0.057	289.2	285.3	286.5	278.7
21	457.20	0.00	-43.00	51.066	10.132	0.053	289.2	285.3	286.4	278.5
22	457.20	0.00	-40.00	51.028	10.757	0.052	289.2	285.3	286.3	277.9
23	457.20	0.00	-37.00	51.023	11.608	0.055	289.3	285.3	286.2	277.2
24	457.20	0.00	-34.00	51.026	11.922	0.055	289.4	285.4	286.1	276.9
25	457.20	0.00	-31.00	51.030	12.011	0.056	289.4	285.3	286.1	276.8
26	457.20	0.00	-28.00	51.023	12.639	0.054	289.4	285.4	285.9	276.2
27	457.20	0.00	-25.00	51.025	13.404	0.052	289.6	285.4	285.9	275.6
28	457.20	0.00	-22.00	51.066	14.067	0.054	289.6	285.4	285.8	275.1
29	457.20	0.00	-19.00	51.065	14.231	0.050	289.7	285.4	285.9	275.0
30	457.20	0.00	-16.00	51.086	15.555	0.049	289.9	285.4	285.9	274.1
31	457.20	0.00	-13.00	51.119	16.301	0.046	290.0	285.5	286.0	273.7
32	457.20	0.00	-10.00	51.151	16.257	0.047	290.1	285.5	286.0	273.7
33	457.20	0.00	-7.00	51.178	16.674	0.043	290.2	285.5	285.7	273.2
34	457.20	0.00	-4.00	51.156	16.577	0.042	290.1	285.5	286.0	273.5
35	457.20	0.00	-1.00	51.131	17.077	0.036	290.5	285.5	286.0	273.2
36	457.20	0.00	2.00	51.129	16.906	0.034	290.6	285.5	285.9	273.2
37	457.20	0.00	5.00	51.150	16.964	0.032	290.4	285.6	286.0	273.2
38	457.20	0.00	8.00	51.191	16.612	0.030	290.7	285.6	286.2	273.7
39	457.20	0.00	11.00	51.197	16.167	0.027	291.1	285.5	286.1	273.9
40	457.20	0.00	14.00	51.217	15.905	0.022	291.6	285.6	286.2	274.2
41	457.20	0.00	17.00	51.233	15.221	0.019	291.4	285.6	286.1	274.5
42	457.20	0.00	20.00	51.260	14.595	0.016	291.2	285.6	286.2	275.1

File : TAB171T 9-DEC-88
21-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
Config II(a)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.205 kPa

Mean gauged plenum pressure : 51.348 kPa
RMS gauged plenum pressure : 0.170 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.249	0.048	0.014	289.4	285.0	288.4	288.4
3	457.20	-105.00	0.00	51.217	0.018	0.013	289.4	285.0	288.6	288.6
4	457.20	-100.00	0.00	51.264	0.014	0.014	289.3	285.0	288.3	288.3
5	457.20	-95.00	0.00	51.275	0.013	0.012	289.4	285.0	288.9	288.9
6	457.20	-90.00	0.00	51.354	0.012	0.013	289.6	285.0	288.6	288.6
7	457.20	-85.00	0.00	51.431	0.011	0.012	289.6	285.0	288.5	288.5
8	457.20	-80.00	0.00	51.479	0.011	0.013	289.4	285.0	288.3	288.3
9	457.20	-75.00	0.00	51.241	0.009	0.012	289.9	285.0	288.6	288.6
10	457.20	-70.00	0.00	51.359	0.009	0.012	290.1	285.0	287.8	287.8
11	457.20	-65.00	0.00	51.407	0.010	0.012	290.1	285.0	287.3	287.3
12	457.20	-60.00	0.00	51.391	0.017	0.012	290.4	285.0	287.0	287.0
13	457.20	-55.00	0.00	51.392	0.184	0.012	290.2	285.0	286.2	286.0
14	457.20	-50.00	0.00	51.312	0.472	0.012	290.1	285.0	286.2	285.8
15	457.20	-45.00	0.00	51.211	0.927	0.012	289.6	285.0	285.5	284.7

16	457.20	-40.00	0.00	51.403	1.628	0.012	289.5	285.0	284.9	283.6
17	457.20	-35.00	0.00	51.293	2.873	0.012	289.4	285.0	284.3	282.0
18	457.20	-30.00	0.00	51.338	4.307	0.012	289.3	285.0	284.0	280.5
19	457.20	-25.00	0.00	51.398	6.577	0.012	289.2	285.0	283.9	278.7
20	457.20	-20.00	0.00	51.519	9.114	0.011	289.2	285.0	283.8	276.7
21	457.20	-15.00	0.00	51.562	12.151	0.012	289.4	285.0	284.2	274.9
22	457.20	-10.00	0.00	51.635	15.025	0.012	289.3	285.0	284.1	272.8
23	457.20	-5.00	0.00	51.589	17.037	0.012	289.1	284.9	284.6	271.9
24	457.20	0.00	0.00	51.169	17.663	0.011	289.2	284.9	284.6	271.4
25	457.20	5.00	0.00	51.204	16.179	0.011	289.4	284.9	284.4	272.3
26	457.20	10.00	0.00	51.090	13.513	0.011	289.2	284.9	284.3	274.0
27	457.20	15.00	0.00	51.349	10.773	0.012	289.2	284.9	283.7	275.4
28	457.20	20.00	0.00	51.436	7.839	0.011	289.1	284.8	283.6	277.4
29	457.20	25.00	0.00	51.349	5.690	0.012	289.1	284.9	283.7	279.2
30	457.20	30.00	0.00	51.342	3.758	0.011	289.1	284.8	283.8	280.8
31	457.20	35.00	0.00	51.440	2.406	0.011	289.0	284.9	284.1	282.1
32	457.20	40.00	0.00	51.446	1.380	0.012	289.0	284.9	285.0	283.9
33	457.20	45.00	0.00	51.322	0.744	0.012	289.1	284.8	285.0	284.4
34	457.20	50.00	0.00	51.388	0.304	0.012	289.0	284.8	285.5	285.2
35	457.20	55.00	0.00	51.386	0.087	0.012	289.0	284.8	286.3	286.2
36	457.20	60.00	0.00	51.331	0.014	0.012	288.8	284.8	286.8	286.8
37	457.20	65.00	0.00	51.186	0.010	0.012	289.0	284.8	286.9	286.9
38	457.20	70.00	0.00	51.337	0.008	0.012	289.0	284.8	287.7	287.7
39	457.20	75.00	0.00	51.571	0.009	0.012	288.9	284.8	287.6	287.6
40	457.20	80.00	0.00	51.343	0.009	0.012	289.0	284.8	287.5	287.5
41	457.20	85.00	0.00	51.422	0.010	0.012	289.0	284.8	287.8	287.8
42	457.20	90.00	0.00	51.567	0.010	0.012	288.9	284.8	287.8	287.8
43	457.20	95.00	0.00	51.071	0.011	0.012	288.9	284.7	287.6	287.6
44	457.20	100.00	0.00	51.305	0.011	0.012	288.7	284.7	288.0	288.0
45	457.20	105.00	0.00	51.357	0.011	0.012	288.7	284.7	288.1	288.1
46	457.20	110.00	0.00	51.274	0.012	0.012	288.6	284.7	287.8	287.8

File : TAB178T

10-DEC-88
23-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config II(a)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.138 kPa

Mean gauged plenum pressure : 51.513 kPa
RMS gauged plenum pressure : 0.086 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.590	0.107	0.037	282.5	282.4	282.6	282.5
3	457.20	-105.00	0.00	51.608	0.085	0.033	282.4	282.6	282.5	282.4
4	457.20	-100.00	0.00	51.613	0.064	0.029	282.4	282.8	282.5	282.4
5	457.20	-95.00	0.00	51.478	0.057	0.028	282.3	282.9	282.4	282.4
6	457.20	-90.00	0.00	51.474	0.054	0.028	282.4	283.1	282.4	282.4
7	457.20	-85.00	0.00	51.524	0.037	0.030	282.4	283.2	282.4	282.4
8	457.20	-80.00	0.00	51.530	0.025	0.033	282.5	283.3	282.3	282.3
9	457.20	-75.00	0.00	51.530	0.014	0.042	282.4	283.4	282.0	282.0
10	457.20	-70.00	0.00	51.559	0.014	0.039	282.3	283.4	281.7	281.7
11	457.20	-65.00	0.00	51.524	0.057	0.037	282.3	283.5	281.4	281.4
12	457.20	-60.00	0.00	51.525	0.143	0.043	282.3	283.5	281.1	281.0
13	457.20	-55.00	0.00	51.521	0.301	0.042	282.3	283.6	280.9	280.7
14	457.20	-50.00	0.00	51.519	0.796	0.040	282.3	283.6	280.5	279.9
15	457.20	-45.00	0.00	51.576	1.228	0.044	282.3	283.6	280.2	279.2

16	457.20	-40.00	0.00	51.589	2.205	0.045	282.3	283.7	280.0	278.2
17	457.20	-35.00	0.00	51.633	3.559	0.046	282.3	283.7	279.8	277.0
18	457.20	-30.00	0.00	51.652	5.093	0.042	282.3	283.7	279.8	275.8
19	457.20	-25.00	0.00	51.593	7.581	0.039	282.3	283.7	279.9	274.0
20	457.20	-20.00	0.00	51.648	10.295	0.043	282.2	283.7	280.1	272.2
21	457.20	-15.00	0.00	51.648	13.545	0.043	282.2	283.7	280.6	270.4
22	457.20	-10.00	0.00	51.448	16.298	0.040	282.2	283.8	281.1	269.0
23	457.20	-5.00	0.00	51.475	17.440	0.039	282.2	283.7	281.3	268.4
24	457.20	0.00	0.00	51.498	17.343	0.038	282.2	283.8	281.4	268.6
25	457.20	5.00	0.00	51.489	15.424	0.043	282.2	283.8	281.2	269.7
26	457.20	10.00	0.00	51.448	12.616	0.045	282.2	283.8	280.7	271.1
27	457.20	15.00	0.00	51.440	9.475	0.042	282.3	283.8	280.3	273.0
28	457.20	20.00	0.00	51.489	6.726	0.042	282.3	283.8	280.1	274.8
29	457.20	25.00	0.00	51.516	4.753	0.041	282.3	283.8	280.0	276.2
30	457.20	30.00	0.00	51.569	3.087	0.038	282.2	283.8	280.1	277.6
31	457.20	35.00	0.00	51.599	1.706	0.038	282.3	283.8	280.2	278.8
32	457.20	40.00	0.00	51.600	0.990	0.034	282.2	283.8	280.6	279.8
33	457.20	45.00	0.00	51.600	0.425	0.032	282.2	283.8	280.6	280.3
34	457.20	50.00	0.00	51.527	0.232	0.031	282.2	283.9	281.1	280.9
35	457.20	55.00	0.00	51.470	0.057	0.034	282.3	283.8	281.4	281.4
36	457.20	60.00	0.00	51.450	0.012	0.031	282.3	283.8	281.5	281.5
37	457.20	65.00	0.00	51.514	0.011	0.032	282.2	283.8	281.8	281.8
38	457.20	70.00	0.00	51.478	0.010	0.030	282.2	283.8	282.0	282.0
39	457.20	75.00	0.00	51.426	0.010	0.026	282.2	283.8	282.0	282.0
40	457.20	80.00	0.00	51.391	0.011	0.022	282.1	283.8	282.1	282.1
41	457.20	85.00	0.00	51.355	0.011	0.023	282.1	283.8	282.0	282.0
42	457.20	90.00	0.00	51.413	0.011	0.018	282.1	283.8	282.0	282.0
43	457.20	95.00	0.00	51.421	0.011	0.016	282.1	283.8	282.1	282.1
44	457.20	100.00	0.00	51.424	0.011	0.015	282.1	283.8	282.1	282.1
45	457.20	105.00	0.00	51.446	0.011	0.016	282.1	283.8	282.0	282.0
46	457.20	110.00	0.00	51.418	0.010	0.014	282.1	283.8	282.2	282.2

File : TAB159T 17-NOV-88
17-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config II(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 51.220 kPa
RMS gauged plenum pressure : 0.209 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.395	0.013	0.012	284.6	284.0	283.7	283.7
3	457.20	-105.00	0.00	51.413	0.012	0.012	284.6	284.0	283.8	283.8
4	457.20	-100.00	0.00	51.388	0.011	0.012	284.4	284.0	283.4	283.4
5	457.20	-95.00	0.00	51.359	0.012	0.012	284.4	284.0	283.4	283.4
6	457.20	-90.00	0.00	51.373	0.017	0.012	284.4	284.0	282.9	282.9
7	457.20	-85.00	0.00	51.352	0.085	0.012	284.3	284.1	283.0	282.9
8	457.20	-80.00	0.00	51.342	0.203	0.012	284.4	284.1	282.9	282.7
9	457.20	-75.00	0.00	51.321	0.432	0.012	284.5	284.0	283.2	282.8
10	457.20	-70.00	0.00	51.306	0.825	0.012	284.6	284.1	282.7	282.0
11	457.20	-65.00	0.00	51.380	1.397	0.012	284.4	284.0	282.5	281.4
12	457.20	-60.00	0.00	51.377	2.211	0.012	284.4	284.1	282.1	280.3
13	457.20	-55.00	0.00	51.400	3.022	0.012	284.3	284.0	282.2	279.8
14	457.20	-50.00	0.00	51.418	4.105	0.012	284.2	284.1	282.0	278.7
15	457.20	-45.00	0.00	51.415	5.655	0.013	284.1	284.1	281.8	277.3
16	457.20	-40.00	0.00	51.368	7.682	0.014	284.2	284.1	281.6	275.6

17	457.20	-35.00	0.00	51.396	9.953	0.013	284.2	284.0	281.4	273.8
18	457.20	-30.00	0.00	51.404	13.095	0.012	284.4	284.0	281.5	271.6
19	457.20	-25.00	0.00	51.362	16.650	0.013	284.4	284.1	281.3	269.0
20	457.20	-20.00	0.00	51.289	21.038	0.013	284.5	284.1	281.5	266.3
21	457.20	-15.00	0.00	50.940	25.132	0.013	284.5	284.1	281.7	264.0
22	457.20	-10.00	0.00	50.959	28.451	0.013	284.5	284.1	281.8	262.1
23	457.20	-5.00	0.00	50.986	30.647	0.019	284.5	284.1	281.9	260.9
24	457.20	0.00	0.00	51.033	30.201	0.015	284.8	284.2	281.8	261.0
25	457.20	5.00	0.00	51.075	26.957	0.015	284.9	284.2	281.9	263.0
26	457.20	10.00	0.00	51.099	22.790	0.014	284.9	284.2	281.3	265.0
27	457.20	15.00	0.00	51.072	17.503	0.016	285.0	284.2	281.6	268.7
28	457.20	20.00	0.00	51.043	13.485	0.020	285.1	284.2	281.2	271.1
29	457.20	25.00	0.00	51.043	10.118	0.018	285.0	284.2	281.5	273.7
30	457.20	30.00	0.00	50.970	7.058	0.020	285.0	284.2	281.7	276.2
31	457.20	35.00	0.00	50.919	5.447	0.017	285.1	284.2	282.1	277.8
32	457.20	40.00	0.00	50.858	3.529	0.020	285.2	284.2	281.9	279.1
33	457.20	45.00	0.00	50.863	2.419	0.023	285.3	284.1	282.5	280.5
34	457.20	50.00	0.00	50.879	1.728	0.022	285.0	284.2	282.4	281.0
35	457.20	55.00	0.00	50.799	0.960	0.025	285.0	284.2	282.6	281.8
36	457.20	60.00	0.00	50.726	0.671	0.022	284.8	284.1	283.0	282.5
37	457.20	65.00	0.00	51.426	0.427	0.018	284.9	284.2	282.9	282.6
38	457.20	70.00	0.00	51.385	0.312	0.023	284.9	284.1	283.2	282.9
39	457.20	75.00	0.00	51.343	0.104	0.027	284.8	284.1	283.4	283.3
40	457.20	80.00	0.00	51.402	0.018	0.023	285.0	284.2	283.4	283.4
41	457.20	85.00	0.00	51.183	0.012	0.020	285.5	284.2	283.8	283.8
42	457.20	90.00	0.00	51.228	0.012	0.023	286.0	284.2	284.3	284.3
43	457.20	95.00	0.00	51.307	0.012	0.024	286.4	284.2	284.4	284.4
44	457.20	100.00	0.00	51.260	0.012	0.022	286.7	284.2	284.5	284.5
45	457.20	105.00	0.00	51.307	0.012	0.024	286.8	284.2	284.6	284.6
46	457.20	110.00	0.00	51.346	0.012	0.027	286.5	284.2	284.7	284.7

File : TAB160T

17-NOV-88
17-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
VERTICAL PROFILE
DRPTAB, Config I(A)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 51.189 kPa
RMS gauged plenum pressure : 0.099 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	51.193	0.014	0.013	285.8	284.3	284.7	284.7
3	457.20	0.00	-97.00	51.195	0.013	0.012	285.9	284.3	284.9	284.9
4	457.20	0.00	-94.00	51.298	0.012	0.014	286.0	284.3	284.8	284.8
5	457.20	0.00	-91.00	51.308	0.012	0.013	285.9	284.3	284.7	284.7
6	457.20	0.00	-88.00	51.285	0.013	0.012	286.1	284.3	284.8	284.8
7	457.20	0.00	-85.00	51.206	0.015	0.013	286.1	284.4	284.6	284.6
8	457.20	0.00	-82.00	50.990	0.045	0.013	286.0	284.3	284.2	284.2
9	457.20	0.00	-79.00	51.020	0.118	0.013	286.0	284.4	284.2	284.1
10	457.20	0.00	-76.00	50.961	0.144	0.012	286.1	284.3	284.4	284.3
11	457.20	0.00	-73.00	51.032	0.265	0.012	286.2	284.3	284.3	284.1
12	457.20	0.00	-70.00	51.296	0.494	0.012	286.1	284.3	283.9	283.5
13	457.20	0.00	-67.00	51.249	0.691	0.012	285.8	284.3	283.5	282.9
14	457.20	0.00	-64.00	51.143	1.048	0.012	285.8	284.3	283.5	282.6
15	457.20	0.00	-61.00	51.126	1.306	0.012	285.8	284.3	283.3	282.2

16	457.20	0.00	-58.00	51.116	1.752	0.012	285.9	284.3	283.4	282.0
17	457.20	0.00	-55.00	51.185	2.221	0.012	285.9	284.3	282.9	281.1
18	457.20	0.00	-52.00	51.147	2.758	0.012	285.8	284.3	282.8	280.6
19	457.20	0.00	-49.00	51.179	3.524	0.012	285.7	284.3	282.7	279.9
20	457.20	0.00	-46.00	51.142	4.563	0.012	285.9	284.3	282.9	279.3
21	457.20	0.00	-43.00	51.160	5.553	0.012	286.0	284.3	282.9	278.5
22	457.20	0.00	-40.00	51.160	6.724	0.012	286.1	284.3	282.8	277.5
23	457.20	0.00	-37.00	51.169	7.929	0.012	286.1	284.3	282.6	276.4
24	457.20	0.00	-34.00	51.169	9.542	0.012	286.1	284.4	282.5	275.1
25	457.20	0.00	-31.00	51.174	11.090	0.013	286.0	284.4	282.2	273.7
26	457.20	0.00	-28.00	51.225	12.982	0.012	286.0	284.4	282.2	272.4
27	457.20	0.00	-25.00	51.204	14.976	0.013	285.8	284.4	281.9	270.7
28	457.20	0.00	-22.00	51.203	17.177	0.013	285.8	284.4	282.2	269.5
29	457.20	0.00	-19.00	51.227	19.593	0.015	285.7	284.3	282.2	267.9
30	457.20	0.00	-16.00	51.225	21.863	0.013	285.9	284.3	282.2	266.5
31	457.20	0.00	-13.00	51.225	24.120	0.013	285.8	284.3	282.2	265.1
32	457.20	0.00	-10.00	51.212	26.318	0.015	285.5	284.3	282.1	263.6
33	457.20	0.00	-7.00	51.192	28.214	0.015	285.7	284.3	282.3	262.7
34	457.20	0.00	-4.00	51.115	29.312	0.018	285.9	284.3	282.4	262.1
35	457.20	0.00	-1.00	51.197	30.020	0.019	285.9	284.3	282.4	261.7
36	457.20	0.00	2.00	51.177	30.024	0.020	286.1	284.3	282.3	261.6
37	457.20	0.00	5.00	51.172	29.219	0.021	286.3	284.4	282.4	262.2
38	457.20	0.00	8.00	51.254	27.766	0.024	286.3	284.4	282.3	262.9
39	457.20	0.00	11.00	51.230	25.768	0.021	286.4	284.4	281.9	263.8
40	457.20	0.00	14.00	51.232	23.454	0.021	286.5	284.4	281.9	265.2
41	457.20	0.00	17.00	51.254	21.038	0.024	286.6	284.4	281.8	266.6
42	457.20	0.00	20.00	51.277	18.651	0.031	286.6	284.4	281.6	268.0

File : TAB173T 9-DEC-88
22-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
Config II(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.679 kPa

Mean gauged plenum pressure : 51.355 kPa
RMS gauged plenum pressure : 0.146 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.316	0.153	0.050	279.4	282.8	279.7	279.6
3	457.20	-105.00	0.00	51.250	0.126	0.051	279.4	282.8	279.7	279.6
4	457.20	-100.00	0.00	51.263	0.109	0.047	279.4	282.9	279.7	279.6
5	457.20	-95.00	0.00	51.255	0.113	0.044	279.3	283.0	279.5	279.4
6	457.20	-90.00	0.00	51.299	0.126	0.049	279.3	283.1	279.5	279.4
7	457.20	-85.00	0.00	51.582	0.152	0.046	279.3	283.1	279.4	279.3
8	457.20	-80.00	0.00	51.812	0.276	0.044	279.3	283.2	279.4	279.2
9	457.20	-75.00	0.00	51.866	0.493	0.047	279.3	283.2	279.3	278.9
10	457.20	-70.00	0.00	51.628	0.695	0.051	279.3	283.2	279.2	278.6
11	457.20	-65.00	0.00	51.396	1.040	0.052	279.4	283.2	279.2	278.4
12	457.20	-60.00	0.00	51.103	1.594	0.053	279.3	283.2	279.2	277.9
13	457.20	-55.00	0.00	51.519	2.189	0.052	279.3	283.3	279.2	277.5
14	457.20	-50.00	0.00	51.408	3.160	0.050	279.3	283.3	279.0	276.5
15	457.20	-45.00	0.00	51.359	4.359	0.046	279.3	283.3	279.0	275.6

16	457.20	-40.00	0.00	51.329	6.290	0.050	279.3	283.3	278.9	274.0
17	457.20	-35.00	0.00	51.405	8.450	0.049	279.3	283.4	279.0	272.5
18	457.20	-30.00	0.00	51.365	10.668	0.047	279.3	283.3	278.8	270.7
19	457.20	-25.00	0.00	51.409	14.003	0.047	279.3	283.4	279.0	268.6
20	457.20	-20.00	0.00	51.346	18.173	0.052	279.3	283.4	279.1	265.9
21	457.20	-15.00	0.00	51.386	22.593	0.050	279.3	283.4	279.4	263.4
22	457.20	-10.00	0.00	51.354	26.541	0.052	279.3	283.4	279.8	261.3
23	457.20	-5.00	0.00	51.314	29.675	0.048	279.4	283.4	279.9	259.6
24	457.20	0.00	0.00	51.333	30.869	0.042	279.3	283.4	280.1	259.1
25	457.20	5.00	0.00	51.275	29.333	0.042	279.4	283.4	279.9	259.8
26	457.20	10.00	0.00	51.317	25.810	0.044	279.3	283.4	279.6	261.6
27	457.20	15.00	0.00	51.314	21.578	0.043	279.3	283.4	279.3	263.9
28	457.20	20.00	0.00	51.339	16.311	0.046	279.4	283.4	278.8	266.9
29	457.20	25.00	0.00	51.310	12.087	0.043	279.4	283.5	278.7	269.6
30	457.20	30.00	0.00	51.384	8.437	0.046	279.4	283.4	278.6	272.1
31	457.20	35.00	0.00	51.398	5.608	0.041	279.4	283.4	278.6	274.2
32	457.20	40.00	0.00	51.396	4.008	0.034	279.4	283.5	278.7	275.5
33	457.20	45.00	0.00	51.306	2.600	0.038	279.4	283.5	278.8	276.7
34	457.20	50.00	0.00	51.307	2.130	0.036	279.5	283.5	278.9	277.2
35	457.20	55.00	0.00	51.250	1.246	0.034	279.4	283.5	279.1	278.1
36	457.20	60.00	0.00	51.198	0.757	0.037	279.4	283.5	279.1	278.5
37	457.20	65.00	0.00	51.133	0.406	0.035	279.5	283.5	279.2	278.9
38	457.20	70.00	0.00	51.147	0.270	0.029	279.5	283.5	279.3	279.1
39	457.20	75.00	0.00	51.192	0.089	0.026	279.5	283.5	279.4	279.3
40	457.20	80.00	0.00	51.235	0.037	0.024	279.5	283.5	279.6	279.6
41	457.20	85.00	0.00	51.330	0.012	0.019	279.4	283.5	279.6	279.6
42	457.20	90.00	0.00	51.339	0.012	0.017	279.5	283.5	279.6	279.6
43	457.20	95.00	0.00	51.357	0.012	0.019	279.5	283.5	279.8	279.8
44	457.20	100.00	0.00	51.311	0.012	0.014	279.5	283.5	279.6	279.6
45	457.20	105.00	0.00	51.354	0.012	0.013	279.5	283.5	279.7	279.7
46	457.20	110.00	0.00	51.398	0.012	0.013	279.6	283.5	279.7	279.7

File : TAB182T

11-DEC-88
22-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config II(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.968 kPa

Mean gauged plenum pressure : 51.161 kPa
RMS gauged plenum pressure : 0.124 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.053	0.039	0.012	286.1	283.9	285.6	285.6
3	457.20	-105.00	0.00	51.000	0.014	0.012	286.1	283.9	285.8	285.8
4	457.20	-100.00	0.00	51.016	0.016	0.014	286.0	283.9	285.4	285.4
5	457.20	-95.00	0.00	51.060	0.025	0.013	286.0	284.0	285.3	285.3
6	457.20	-90.00	0.00	51.079	0.020	0.014	285.9	284.0	285.2	285.2
7	457.20	-85.00	0.00	51.111	0.143	0.013	285.9	284.1	285.0	284.9
8	457.20	-80.00	0.00	51.153	0.228	0.012	286.0	284.1	285.0	284.8
9	457.20	-75.00	0.00	51.163	0.344	0.013	286.0	284.2	284.9	284.6
10	457.20	-70.00	0.00	51.129	0.990	0.013	286.0	284.2	284.5	283.7
11	457.20	-65.00	0.00	51.121	1.184	0.014	285.9	284.2	284.2	283.2
12	457.20	-60.00	0.00	51.081	1.926	0.012	285.9	284.2	284.0	282.4
13	457.20	-55.00	0.00	51.043	2.858	0.013	285.9	284.2	283.7	281.4
14	457.20	-50.00	0.00	51.009	4.027	0.013	285.8	284.2	283.4	280.2
15	457.20	-45.00	0.00	50.985	5.714	0.012	285.8	284.2	283.1	278.5

16	457.20	-40.00	0.00	51.060	7.218	0.012	285.8	284.3	282.9	277.2
17	457.20	-35.00	0.00	51.017	9.956	0.012	285.8	284.2	282.3	274.6
18	457.20	-30.00	0.00	51.060	12.747	0.012	285.8	284.3	282.3	272.6
19	457.20	-25.00	0.00	51.108	16.852	0.013	285.7	284.3	282.0	269.5
20	457.20	-20.00	0.00	51.192	21.361	0.012	286.0	284.2	282.2	266.7
21	457.20	-15.00	0.00	51.294	25.912	0.012	286.5	284.3	282.1	263.8
22	457.20	-10.00	0.00	51.316	29.504	0.012	286.8	284.3	282.1	261.6
23	457.20	-5.00	0.00	51.335	31.010	0.012	287.2	284.3	282.2	260.8
24	457.20	0.00	0.00	51.371	30.063	0.012	287.2	284.3	282.3	261.5
25	457.20	5.00	0.00	51.414	27.159	0.012	286.7	284.3	282.2	263.1
26	457.20	10.00	0.00	51.455	22.949	0.012	286.3	284.3	282.1	265.6
27	457.20	15.00	0.00	51.447	18.578	0.012	286.0	284.3	282.1	268.4
28	457.20	20.00	0.00	51.453	14.486	0.012	285.9	284.3	282.2	271.3
29	457.20	25.00	0.00	51.356	10.810	0.012	285.7	284.3	282.4	274.1
30	457.20	30.00	0.00	51.236	8.208	0.012	285.7	284.3	282.6	276.2
31	457.20	35.00	0.00	51.144	6.085	0.012	285.7	284.3	282.9	278.1
32	457.20	40.00	0.00	51.113	4.472	0.012	285.7	284.3	283.3	279.7
33	457.20	45.00	0.00	51.093	3.252	0.012	285.6	284.3	283.5	280.9
34	457.20	50.00	0.00	51.122	2.199	0.012	285.6	284.2	283.7	281.9
35	457.20	55.00	0.00	51.148	1.532	0.012	285.6	284.3	284.0	282.7
36	457.20	60.00	0.00	51.116	0.894	0.012	285.6	284.3	284.2	283.5
37	457.20	65.00	0.00	51.225	0.559	0.012	285.6	284.2	284.2	283.7
38	457.20	70.00	0.00	51.210	0.260	0.012	285.5	284.3	284.5	284.3
39	457.20	75.00	0.00	51.165	0.100	0.012	285.6	284.2	284.7	284.6
40	457.20	80.00	0.00	51.136	0.018	0.012	285.5	284.2	284.7	284.7
41	457.20	85.00	0.00	51.119	0.011	0.012	285.4	284.3	284.9	284.9
42	457.20	90.00	0.00	51.109	0.011	0.012	285.4	284.2	284.9	284.9
43	457.20	95.00	0.00	51.137	0.010	0.012	285.4	284.2	285.1	285.1
44	457.20	100.00	0.00	51.116	0.010	0.012	285.5	284.2	285.2	285.2
45	457.20	105.00	0.00	51.145	0.010	0.012	285.4	284.2	285.0	285.0
46	457.20	110.00	0.00	51.124	0.010	0.012	285.4	284.2	285.1	285.1

File : TAB153T

16-NOV-88
16-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config. II(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.070 kPa

Mean gauged plenum pressure : 51.046 kPa
RMS gauged plenum pressure : 0.127 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.128	0.012	0.012	294.9	286.6	293.4	293.4
3	457.20	-105.00	0.00	51.123	0.011	0.012	295.0	286.6	294.5	294.5
4	457.20	-100.00	0.00	51.135	0.011	0.012	295.0	286.5	294.7	294.7
5	457.20	-95.00	0.00	51.127	0.010	0.012	294.9	286.5	294.2	294.2
6	457.20	-90.00	0.00	51.191	0.009	0.012	294.9	286.5	294.3	294.3
7	457.20	-85.00	0.00	51.195	0.009	0.012	294.8	286.4	294.0	294.0
8	457.20	-80.00	0.00	51.146	0.009	0.012	294.6	286.4	293.9	293.9
9	457.20	-75.00	0.00	51.064	0.010	0.012	294.2	286.3	293.5	293.5
10	457.20	-70.00	0.00	51.022	0.009	0.012	294.1	286.3	293.3	293.3
11	457.20	-65.00	0.00	51.039	0.010	0.012	294.1	286.3	293.3	293.3
12	457.20	-60.00	0.00	51.050	0.027	0.012	294.1	286.3	292.9	292.9
13	457.20	-55.00	0.00	51.003	0.012	0.012	294.2	286.3	293.0	293.0
14	457.20	-50.00	0.00	50.970	0.133	0.012	294.3	286.3	292.8	292.7
15	457.20	-45.00	0.00	50.950	0.246	0.012	294.3	286.3	292.5	292.3
16	457.20	-40.00	0.00	50.914	0.324	0.012	294.3	286.3	292.3	292.0

17	457.20	-35.00	0.00	50.897	0.572	0.012	294.3	286.3	292.1	291.6
18	457.20	-30.00	0.00	50.946	1.069	0.013	294.4	286.3	291.3	290.4
19	457.20	-25.00	0.00	50.984	1.527	0.013	294.2	286.3	290.8	289.5
20	457.20	-20.00	0.00	51.008	2.423	0.015	294.2	286.3	290.2	288.2
21	457.20	-15.00	0.00	51.011	3.460	0.013	294.4	286.3	289.6	286.7
22	457.20	-10.00	0.00	51.059	4.687	0.015	294.4	286.3	288.7	284.9
23	457.20	-5.00	0.00	51.037	6.651	0.015	294.5	286.4	288.4	283.0
24	457.20	0.00	0.00	51.062	9.514	0.016	294.6	286.4	287.5	280.0
25	457.20	5.00	0.00	51.124	12.510	0.016	294.9	286.5	287.0	277.3
26	457.20	10.00	0.00	51.123	17.314	0.015	295.6	286.5	287.0	273.9
27	457.20	15.00	0.00	51.129	21.760	0.014	295.8	286.5	286.9	270.9
28	457.20	20.00	0.00	51.159	26.469	0.014	295.8	286.6	287.1	268.1
29	457.20	25.00	0.00	51.239	27.416	0.020	295.1	286.5	287.0	267.4
30	457.20	30.00	0.00	51.215	25.436	0.016	295.0	286.5	287.0	268.7
31	457.20	35.00	0.00	51.220	21.982	0.017	295.1	286.5	286.8	270.7
32	457.20	40.00	0.00	51.247	16.950	0.014	295.1	286.5	286.9	274.1
33	457.20	45.00	0.00	51.198	13.231	0.013	295.1	286.5	287.6	277.4
34	457.20	50.00	0.00	51.126	9.681	0.015	295.0	286.5	288.3	280.6
35	457.20	55.00	0.00	51.140	7.670	0.015	295.2	286.6	289.0	282.8
36	457.20	60.00	0.00	51.146	5.910	0.015	295.3	286.6	289.7	284.9
37	457.20	65.00	0.00	51.073	4.631	0.015	295.4	286.5	290.1	286.3
38	457.20	70.00	0.00	50.994	3.393	0.016	295.2	286.5	290.8	288.0
39	457.20	75.00	0.00	50.952	2.661	0.015	295.3	286.5	291.3	289.1
40	457.20	80.00	0.00	50.890	1.706	0.013	295.3	286.5	292.0	290.6
41	457.20	85.00	0.00	50.838	1.127	0.015	295.3	286.5	292.4	291.4
42	457.20	90.00	0.00	50.858	0.745	0.021	295.2	286.5	292.8	292.2
43	457.20	95.00	0.00	50.891	0.552	0.020	295.0	286.5	292.9	292.4
44	457.20	100.00	0.00	50.930	0.475	0.017	295.0	286.4	293.0	292.6
45	457.20	105.00	0.00	50.915	0.228	0.017	295.0	286.4	293.3	293.1
46	457.20	110.00	0.00	50.923	0.105	0.020	295.0	286.4	293.4	293.3

File : TAB154T 16-NOV-88
16-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config. IV(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.901 kPa

Mean gauged plenum pressure : 51.628 kPa
RMS gauged plenum pressure : 0.343 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	50.835	0.038	0.021	296.0	287.5	295.2	295.2
3	457.20	0.00	-97.00	50.746	0.050	0.020	296.2	287.4	295.3	295.3
4	457.20	0.00	-94.00	50.709	0.029	0.020	296.3	287.3	295.4	295.4
5	457.20	0.00	-91.00	51.329	0.057	0.022	296.3	287.2	295.0	295.0
6	457.20	0.00	-88.00	51.238	0.068	0.021	296.3	287.1	295.1	295.0
7	457.20	0.00	-85.00	51.241	0.113	0.023	296.4	287.1	294.9	294.8
8	457.20	0.00	-82.00	51.225	0.156	0.023	296.4	287.1	294.9	294.8
9	457.20	0.00	-79.00	51.236	0.199	0.018	296.6	287.1	294.9	294.7
10	457.20	0.00	-76.00	51.266	0.276	0.015	296.9	287.0	294.6	294.4
11	457.20	0.00	-73.00	51.356	0.426	0.020	296.8	287.0	294.3	293.9
12	457.20	0.00	-70.00	51.477	0.584	0.022	296.6	287.0	294.0	293.5
13	457.20	0.00	-67.00	51.606	0.832	0.025	296.5	286.9	293.6	292.9
14	457.20	0.00	-64.00	51.783	0.888	0.019	296.5	286.9	293.4	292.6
15	457.20	0.00	-61.00	51.904	1.116	0.015	296.9	286.9	293.0	292.1
16	457.20	0.00	-58.00	51.868	1.537	0.017	297.3	286.8	293.0	291.7

17	457.20	0.00	-55.00	51.814	2.017	0.017	297.2	286.8	292.4	290.7
18	457.20	0.00	-52.00	51.808	2.388	0.014	297.3	286.8	292.0	290.0
19	457.20	0.00	-49.00	51.776	3.122	0.014	297.2	286.7	291.8	289.2
20	457.20	0.00	-46.00	51.726	3.345	0.013	297.3	286.7	291.9	289.1
21	457.20	0.00	-43.00	51.743	3.845	0.013	297.3	286.6	291.6	288.4
22	457.20	0.00	-40.00	51.774	4.188	0.012	297.3	286.6	290.9	287.4
23	457.20	0.00	-37.00	51.804	5.089	0.014	297.4	286.7	290.5	286.3
24	457.20	0.00	-34.00	51.834	5.600	0.013	296.6	286.6	290.4	285.8
25	457.20	0.00	-31.00	51.916	6.139	0.014	296.3	286.6	290.1	285.1
26	457.20	0.00	-28.00	51.943	6.462	0.014	296.3	286.6	290.0	284.7
27	457.20	0.00	-25.00	51.911	7.332	0.013	296.3	286.6	289.6	283.7
28	457.20	0.00	-22.00	51.858	8.001	0.014	296.2	286.6	289.2	282.8
29	457.20	0.00	-19.00	51.803	8.384	0.016	296.2	286.7	289.2	282.5
30	457.20	0.00	-16.00	51.709	8.975	0.015	296.3	286.7	289.0	281.8
31	457.20	0.00	-13.00	51.693	8.855	0.014	296.2	286.7	288.6	281.5
32	457.20	0.00	-10.00	51.664	9.188	0.014	296.1	286.7	288.5	281.2
33	457.20	0.00	-7.00	51.754	9.886	0.018	296.2	286.7	288.2	280.4
34	457.20	0.00	-4.00	51.965	9.742	0.013	296.2	286.7	288.3	280.6
35	457.20	0.00	-1.00	52.044	9.886	0.016	296.1	286.7	288.1	280.3
36	457.20	0.00	2.00	51.977	10.119	0.019	296.0	286.7	288.1	280.1
37	457.20	0.00	5.00	51.922	9.271	0.015	296.0	286.7	288.4	281.0
38	457.20	0.00	8.00	51.888	9.147	0.016	296.2	286.7	288.4	281.1
39	457.20	0.00	11.00	51.815	8.556	0.015	296.2	286.6	288.4	281.6
40	457.20	0.00	14.00	51.768	8.364	0.019	296.2	286.6	288.5	281.8
41	457.20	0.00	17.00	51.770	8.313	0.017	296.2	286.6	288.8	282.1
42	457.20	0.00	20.00	51.765	7.566	0.017	296.0	286.6	289.0	282.9

File : TAB172T

9-DEC-88
21-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
Config IV(a)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.171 kPa

Mean gauged plenum pressure : 51.263 kPa
RMS gauged plenum pressure : 0.262 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.370	0.064	0.012	288.6	284.6	287.3	287.2
3	457.20	-105.00	0.00	51.857	0.041	0.013	288.5	284.6	287.9	287.9
4	457.20	-100.00	0.00	51.413	0.029	0.012	288.5	284.7	288.1	288.1
5	457.20	-95.00	0.00	51.366	0.028	0.012	288.5	284.7	287.9	287.9
6	457.20	-90.00	0.00	51.351	0.022	0.013	288.4	284.6	287.6	287.6
7	457.20	-85.00	0.00	51.257	0.022	0.013	288.4	284.6	287.8	287.8
8	457.20	-80.00	0.00	51.383	0.014	0.013	288.5	284.6	287.9	287.9
9	457.20	-75.00	0.00	51.174	0.013	0.012	288.3	284.6	287.4	287.4
10	457.20	-70.00	0.00	51.149	0.013	0.012	288.3	284.6	287.4	287.4
11	457.20	-65.00	0.00	51.337	0.014	0.013	288.3	284.6	287.3	287.3
12	457.20	-60.00	0.00	51.617	0.033	0.013	288.3	284.6	287.1	287.1
13	457.20	-55.00	0.00	51.256	0.026	0.012	288.3	284.6	287.1	287.1
14	457.20	-50.00	0.00	51.384	0.132	0.012	288.3	284.6	286.8	286.7
15	457.20	-45.00	0.00	51.341	0.215	0.013	288.3	284.6	286.7	286.5

16	457.20	-40.00	0.00	51.081	0.374	0.013	288.0	284.6	286.3	286.0
17	457.20	-35.00	0.00	50.888	0.656	0.013	288.0	284.6	286.0	285.5
18	457.20	-30.00	0.00	51.110	0.938	0.012	288.0	284.5	285.7	284.9
19	457.20	-25.00	0.00	51.023	1.506	0.013	288.1	284.6	285.3	284.1
20	457.20	-20.00	0.00	51.121	2.246	0.012	288.0	284.5	284.8	283.0
21	457.20	-15.00	0.00	51.247	3.142	0.012	288.0	284.5	284.5	281.9
22	457.20	-10.00	0.00	51.539	4.430	0.013	287.9	284.5	283.8	280.2
23	457.20	-5.00	0.00	51.506	6.176	0.012	287.9	284.5	283.6	278.7
24	457.20	0.00	0.00	51.480	8.366	0.013	287.7	284.5	282.8	276.3
25	457.20	5.00	0.00	51.325	11.579	0.012	287.9	284.5	282.7	273.8
26	457.20	10.00	0.00	51.209	15.431	0.013	288.3	284.5	282.5	270.9
27	457.20	15.00	0.00	51.083	19.991	0.012	288.6	284.5	282.8	268.2
28	457.20	20.00	0.00	51.453	24.067	0.012	288.8	284.5	283.1	265.9
29	457.20	25.00	0.00	51.534	26.491	0.012	288.8	284.5	283.2	264.5
30	457.20	30.00	0.00	51.189	25.209	0.013	288.7	284.5	283.2	265.3
31	457.20	35.00	0.00	51.396	22.020	0.013	288.4	284.5	282.7	266.8
32	457.20	40.00	0.00	51.522	16.876	0.014	288.1	284.5	282.4	269.9
33	457.20	45.00	0.00	51.428	12.655	0.012	287.8	284.5	282.5	272.9
34	457.20	50.00	0.00	51.254	9.175	0.012	287.8	284.5	282.8	275.7
35	457.20	55.00	0.00	51.123	6.861	0.012	287.8	284.5	283.2	277.8
36	457.20	60.00	0.00	51.015	4.911	0.012	287.8	284.5	283.7	279.8
37	457.20	65.00	0.00	51.002	3.447	0.012	287.8	284.5	284.3	281.5
38	457.20	70.00	0.00	51.138	2.461	0.012	287.7	284.4	284.6	282.6
39	457.20	75.00	0.00	51.289	2.144	0.012	287.7	284.5	284.9	283.1
40	457.20	80.00	0.00	51.513	1.466	0.012	287.6	284.5	285.2	284.0
41	457.20	85.00	0.00	51.248	0.815	0.012	287.6	284.5	285.4	284.7
42	457.20	90.00	0.00	51.157	0.701	0.012	287.6	284.4	285.6	285.0
43	457.20	95.00	0.00	50.960	0.555	0.012	287.5	284.4	285.6	285.1
44	457.20	100.00	0.00	50.711	0.338	0.012	287.5	284.4	285.9	285.6
45	457.20	105.00	0.00	50.523	0.116	0.012	287.4	284.4	286.3	286.2
46	457.20	110.00	0.00	51.018	0.076	0.012	287.4	284.4	286.3	286.2

File : TAB179T

10-DEC-88
23-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config IV(a)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.138 kPa

Mean gauged plenum pressure : 51.436 kPa
RMS gauged plenum pressure : 0.063 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.392	0.053	0.013	282.2	283.8	282.5	282.5
3	457.20	-105.00	0.00	51.402	0.035	0.013	282.1	283.8	282.4	282.4
4	457.20	-100.00	0.00	51.422	0.025	0.012	282.1	283.8	282.4	282.4
5	457.20	-95.00	0.00	51.434	0.026	0.013	282.1	283.8	282.2	282.2
6	457.20	-90.00	0.00	51.464	0.018	0.013	282.0	283.8	282.1	282.1
7	457.20	-85.00	0.00	51.428	0.017	0.013	281.9	283.8	282.1	282.1
8	457.20	-80.00	0.00	51.388	0.014	0.014	281.9	283.8	282.0	282.0
9	457.20	-75.00	0.00	51.353	0.014	0.012	282.0	283.9	282.1	282.1
10	457.20	-70.00	0.00	51.357	0.014	0.016	282.0	283.8	282.2	282.2
11	457.20	-65.00	0.00	51.367	0.015	0.013	282.1	283.8	282.1	282.1
12	457.20	-60.00	0.00	51.387	0.046	0.013	282.0	283.8	281.8	281.8
13	457.20	-55.00	0.00	51.367	0.073	0.014	282.1	283.8	281.8	281.7
14	457.20	-50.00	0.00	51.358	0.196	0.013	282.1	283.8	281.8	281.6
15	457.20	-45.00	0.00	51.382	0.321	0.013	282.1	283.8	281.7	281.4

16	457.20	-40.00	0.00	51.390	0.590	0.014	282.2	283.9	281.4	280.9
17	457.20	-35.00	0.00	51.362	0.829	0.018	282.0	283.8	281.3	280.6
18	457.20	-30.00	0.00	51.382	1.174	0.016	282.1	283.8	281.3	280.3
19	457.20	-25.00	0.00	51.394	1.797	0.013	282.1	283.8	281.1	279.6
20	457.20	-20.00	0.00	51.393	2.654	0.014	282.2	283.9	280.9	278.8
21	457.20	-15.00	0.00	51.394	3.703	0.015	282.1	283.9	280.4	277.4
22	457.20	-10.00	0.00	51.424	5.162	0.017	282.1	283.8	280.3	276.2
23	457.20	-5.00	0.00	51.465	7.174	0.015	282.1	283.8	279.8	274.2
24	457.20	0.00	0.00	51.500	9.866	0.014	282.1	283.8	279.7	272.1
25	457.20	5.00	0.00	51.534	13.516	0.014	282.1	283.9	279.7	269.6
26	457.20	10.00	0.00	51.562	17.960	0.016	282.1	283.8	279.9	266.7
27	457.20	15.00	0.00	51.541	22.411	0.017	282.1	283.8	280.4	264.4
28	457.20	20.00	0.00	51.523	25.852	0.014	282.3	283.9	280.8	262.6
29	457.20	25.00	0.00	51.522	27.004	0.014	282.3	283.9	281.0	262.1
30	457.20	30.00	0.00	51.509	25.114	0.014	282.2	283.8	280.9	263.2
31	457.20	35.00	0.00	51.469	21.396	0.018	282.2	283.8	280.5	265.1
32	457.20	40.00	0.00	51.456	17.498	0.014	282.3	283.9	280.4	267.5
33	457.20	45.00	0.00	51.456	13.645	0.016	282.2	283.8	280.2	269.9
34	457.20	50.00	0.00	51.486	10.657	0.014	282.2	283.9	280.3	272.1
35	457.20	55.00	0.00	51.504	8.386	0.015	282.2	283.8	280.5	274.0
36	457.20	60.00	0.00	51.497	6.461	0.013	282.2	283.8	280.8	275.7
37	457.20	65.00	0.00	51.508	5.179	0.014	282.3	283.9	281.0	276.9
38	457.20	70.00	0.00	51.514	3.856	0.016	282.3	283.8	281.2	278.1
39	457.20	75.00	0.00	51.490	3.062	0.014	282.3	283.8	281.4	278.9
40	457.20	80.00	0.00	51.505	2.064	0.014	282.3	283.8	281.6	279.9
41	457.20	85.00	0.00	51.431	1.571	0.016	282.4	283.8	281.8	280.5
42	457.20	90.00	0.00	51.380	1.082	0.016	282.4	283.8	281.7	280.8
43	457.20	95.00	0.00	51.372	0.748	0.015	282.4	283.8	282.0	281.4
44	457.20	100.00	0.00	51.394	0.430	0.013	282.4	283.8	281.9	281.5
45	457.20	105.00	0.00	51.411	0.273	0.017	282.4	283.8	282.0	281.8
46	457.20	110.00	0.00	51.445	0.131	0.014	282.4	283.8	282.1	282.0

File : TAB163T

17-NOV-88
17-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, kConfig IV(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 51.148 kPa
RMS gauged plenum pressure : 0.419 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	49.581	0.042	0.022	289.1	284.9	287.7	287.7
3	457.20	-105.00	0.00	49.683	0.021	0.019	289.1	284.9	287.8	287.8
4	457.20	-100.00	0.00	51.071	0.015	0.019	289.1	284.9	288.0	288.0
5	457.20	-95.00	0.00	50.913	0.014	0.019	289.2	284.9	287.9	287.9
6	457.20	-90.00	0.00	50.857	0.018	0.022	289.2	284.9	287.7	287.7
7	457.20	-85.00	0.00	51.561	0.141	0.022	288.8	285.0	287.2	287.1
8	457.20	-80.00	0.00	51.714	0.281	0.021	288.9	285.0	287.2	287.0
9	457.20	-75.00	0.00	51.693	0.528	0.019	288.8	285.0	287.0	286.6
10	457.20	-70.00	0.00	51.664	0.723	0.017	288.9	285.0	286.6	286.0
11	457.20	-65.00	0.00	51.058	1.201	0.018	288.7	285.0	286.4	285.4
12	457.20	-60.00	0.00	51.065	1.812	0.021	288.6	285.0	286.1	284.6
13	457.20	-55.00	0.00	51.045	2.662	0.022	288.7	285.0	286.2	284.0
14	457.20	-50.00	0.00	51.054	3.734	0.022	288.6	285.0	285.9	282.9
15	457.20	-45.00	0.00	51.027	4.998	0.023	288.5	285.0	285.4	281.4
16	457.20	-40.00	0.00	50.996	6.491	0.016	289.0	285.0	285.1	279.9

17	457.20	-35.00	0.00	50.950	8.230	0.016	289.6	285.0	284.8	278.3
18	457.20	-30.00	0.00	50.912	10.705	0.019	289.8	285.0	284.6	276.3
19	457.20	-25.00	0.00	51.207	13.765	0.022	289.7	285.0	284.7	274.2
20	457.20	-20.00	0.00	51.171	16.707	0.019	289.4	285.0	284.4	271.9
21	457.20	-15.00	0.00	51.300	19.745	0.022	289.2	285.0	284.4	269.9
22	457.20	-10.00	0.00	51.655	22.913	0.022	288.9	285.0	284.2	267.7
23	457.20	-5.00	0.00	51.623	24.655	0.021	289.1	285.0	284.2	266.6
24	457.20	0.00	0.00	51.082	24.917	0.023	289.1	285.0	284.0	266.2
25	457.20	5.00	0.00	51.008	24.676	0.022	289.3	285.0	284.2	266.6
26	457.20	10.00	0.00	50.951	23.800	0.016	289.3	285.1	284.0	266.9
27	457.20	15.00	0.00	50.923	22.271	0.017	289.3	285.0	284.0	267.9
28	457.20	20.00	0.00	51.186	20.324	0.020	289.1	285.0	284.3	269.4
29	457.20	25.00	0.00	51.183	18.302	0.022	288.9	285.0	284.2	270.7
30	457.20	30.00	0.00	51.154	15.982	0.018	288.9	285.0	284.5	272.5
31	457.20	35.00	0.00	51.168	13.665	0.016	288.9	285.0	284.7	274.3
32	457.20	40.00	0.00	51.171	11.302	0.015	288.8	285.0	284.5	275.8
33	457.20	45.00	0.00	51.164	9.314	0.014	288.9	285.0	285.0	277.7
34	457.20	50.00	0.00	51.159	7.307	0.014	289.0	285.0	285.4	279.6
35	457.20	55.00	0.00	51.155	6.248	0.014	289.0	285.1	285.6	280.6
36	457.20	60.00	0.00	51.157	4.610	0.015	289.2	285.1	285.6	281.9
37	457.20	65.00	0.00	51.183	3.725	0.013	289.1	285.0	285.8	282.8
38	457.20	70.00	0.00	51.200	2.957	0.013	289.1	285.0	285.9	283.5
39	457.20	75.00	0.00	51.252	2.044	0.020	289.1	285.0	285.7	284.0
40	457.20	80.00	0.00	51.262	1.441	0.015	289.0	285.0	286.7	285.5
41	457.20	85.00	0.00	51.236	1.112	0.013	289.0	285.0	286.5	285.6
42	457.20	90.00	0.00	51.205	0.727	0.013	289.0	285.0	286.8	286.2
43	457.20	95.00	0.00	51.296	0.509	0.013	289.1	285.0	286.9	286.5
44	457.20	100.00	0.00	51.375	0.305	0.013	289.2	285.0	287.4	287.1
45	457.20	105.00	0.00	51.428	0.146	0.013	289.2	285.0	287.1	287.0
46	457.20	110.00	0.00	51.535	0.069	0.014	289.2	285.0	287.4	287.3

File : TAB164T 17-NOV-88
17-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB,
Config IV(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 51.895 kPa
RMS gauged plenum pressure : 0.455 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	51.313	0.034	0.015	288.5	284.9	287.0	287.0
3	457.20	0.00	-97.00	51.339	0.016	0.016	288.7	284.9	287.9	287.9
4	457.20	0.00	-94.00	51.493	0.015	0.014	288.7	284.9	287.9	287.9
5	457.20	0.00	-91.00	51.554	0.013	0.014	288.6	284.9	287.3	287.3
6	457.20	0.00	-88.00	51.644	0.014	0.018	288.4	284.9	287.4	287.4
7	457.20	0.00	-85.00	51.768	0.013	0.015	288.3	284.8	287.0	287.0
8	457.20	0.00	-82.00	51.696	0.013	0.015	288.1	284.8	287.0	287.0
9	457.20	0.00	-79.00	51.718	0.013	0.015	288.2	284.8	286.7	286.7
10	457.20	0.00	-76.00	51.874	0.017	0.013	288.3	284.8	286.8	286.8
11	457.20	0.00	-73.00	51.914	0.033	0.014	288.3	284.8	286.5	286.5
12	457.20	0.00	-70.00	52.035	0.141	0.015	288.3	284.8	286.3	286.2
13	457.20	0.00	-67.00	52.032	0.188	0.017	288.2	284.8	286.2	286.0
14	457.20	0.00	-64.00	52.090	0.360	0.016	288.2	284.8	285.9	285.6
15	457.20	0.00	-61.00	52.174	0.546	0.014	288.2	284.7	285.5	285.0

16	457.20	0.00	-58.00	52.241	0.743	0.013	288.2	284.7	285.3	284.7
17	457.20	0.00	-55.00	52.289	1.098	0.014	288.2	284.8	285.0	284.1
18	457.20	0.00	-52.00	52.310	1.480	0.016	288.1	284.7	285.0	283.8
19	457.20	0.00	-49.00	52.316	2.011	0.015	288.1	284.7	284.4	282.8
20	457.20	0.00	-46.00	52.332	2.574	0.013	288.2	284.7	284.4	282.3
21	457.20	0.00	-43.00	52.292	3.461	0.013	288.1	284.7	284.1	281.3
22	457.20	0.00	-40.00	52.606	4.247	0.013	288.0	284.7	283.8	280.4
23	457.20	0.00	-37.00	52.607	5.401	0.013	288.1	284.7	283.7	279.4
24	457.20	0.00	-34.00	52.620	6.501	0.014	288.2	284.7	283.6	278.5
25	457.20	0.00	-31.00	52.607	7.932	0.015	288.2	284.7	283.4	277.2
26	457.20	0.00	-28.00	52.566	9.312	0.017	288.0	284.7	283.2	276.0
27	457.20	0.00	-25.00	52.589	11.296	0.016	288.0	284.7	283.1	274.4
28	457.20	0.00	-22.00	52.801	13.593	0.013	288.2	284.7	283.0	272.7
29	457.20	0.00	-19.00	52.179	15.439	0.012	289.1	284.7	283.1	271.5
30	457.20	0.00	-16.00	51.609	17.525	0.012	289.4	284.7	283.4	270.4
31	457.20	0.00	-13.00	51.597	19.891	0.012	289.3	284.7	283.4	268.9
32	457.20	0.00	-10.00	51.581	21.954	0.013	289.2	284.7	283.7	267.8
33	457.20	0.00	-7.00	51.599	23.831	0.012	289.3	284.7	283.4	266.3
34	457.20	0.00	-4.00	51.538	24.560	0.013	288.5	284.7	283.6	266.1
35	457.20	0.00	-1.00	51.534	25.403	0.013	288.1	284.7	283.5	265.5
36	457.20	0.00	2.00	51.506	25.045	0.013	288.0	284.7	283.2	265.4
37	457.20	0.00	5.00	51.451	23.976	0.014	288.1	284.7	283.2	266.1
38	457.20	0.00	8.00	51.401	22.814	0.013	288.1	284.7	283.0	266.6
39	457.20	0.00	11.00	51.400	20.826	0.012	288.0	284.6	282.8	267.7
40	457.20	0.00	14.00	51.450	18.769	0.012	288.0	284.7	282.5	268.7
41	457.20	0.00	17.00	51.473	16.623	0.012	287.9	284.6	282.6	270.3
42	457.20	0.00	20.00	51.446	14.163	0.012	287.9	284.7	282.6	271.9

File : TAB174T 9-DEC-88
22-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
Config IV(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.679 kPa

Mean gauged plenum pressure : 51.503 kPa
RMS gauged plenum pressure : 0.145 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.640	0.036	0.013	279.9	283.3	280.0	280.0
3	457.20	-105.00	0.00	51.602	0.018	0.013	280.0	283.3	280.3	280.3
4	457.20	-100.00	0.00	51.575	0.013	0.013	280.0	283.4	280.1	280.1
5	457.20	-95.00	0.00	51.632	0.012	0.013	279.9	283.4	280.0	280.0
6	457.20	-90.00	0.00	51.619	0.021	0.015	279.9	283.4	279.9	279.9
7	457.20	-85.00	0.00	51.651	0.061	0.013	280.0	283.4	279.9	279.9
8	457.20	-80.00	0.00	51.655	0.126	0.014	280.0	283.4	279.8	279.7
9	457.20	-75.00	0.00	51.623	0.311	0.015	280.0	283.4	279.9	279.6
10	457.20	-70.00	0.00	51.600	0.493	0.013	280.0	283.4	279.9	279.5
11	457.20	-65.00	0.00	51.632	0.865	0.013	280.0	283.5	279.8	279.1
12	457.20	-60.00	0.00	51.627	1.147	0.015	280.0	283.4	279.8	278.9
13	457.20	-55.00	0.00	51.645	1.805	0.016	280.0	283.4	279.8	278.4
14	457.20	-50.00	0.00	51.631	2.790	0.016	280.0	283.5	279.8	277.6
15	457.20	-45.00	0.00	51.691	3.982	0.016	280.1	283.5	279.8	276.6

16	457.20	-40.00	0.00	51.690	5.250	0.017	280.1	283.5	279.6	275.5
17	457.20	-35.00	0.00	51.666	6.832	0.021	280.1	283.5	279.5	274.2
18	457.20	-30.00	0.00	51.471	9.167	0.018	280.2	283.5	279.6	272.6
19	457.20	-25.00	0.00	51.070	11.601	0.019	280.2	283.5	279.7	270.9
20	457.20	-20.00	0.00	51.356	14.932	0.023	280.1	283.5	279.8	268.7
21	457.20	-15.00	0.00	51.336	17.823	0.029	280.2	283.5	280.1	267.1
22	457.20	-10.00	0.00	51.654	21.650	0.023	280.2	283.5	280.4	264.9
23	457.20	-5.00	0.00	51.331	23.830	0.024	280.3	283.5	280.4	263.6
24	457.20	0.00	0.00	51.462	25.232	0.025	280.3	283.5	280.5	262.8
25	457.20	5.00	0.00	51.491	25.400	0.027	280.3	283.5	280.4	262.6
26	457.20	10.00	0.00	51.455	24.527	0.021	280.4	283.5	280.3	263.0
27	457.20	15.00	0.00	51.511	23.056	0.025	280.4	283.5	280.2	263.8
28	457.20	20.00	0.00	51.549	21.139	0.028	280.4	283.5	280.1	265.0
29	457.20	25.00	0.00	51.554	18.879	0.029	280.4	283.5	280.1	266.4
30	457.20	30.00	0.00	51.526	16.380	0.027	280.4	283.5	280.0	268.0
31	457.20	35.00	0.00	51.531	13.608	0.026	280.5	283.4	280.0	269.8
32	457.20	40.00	0.00	51.512	11.135	0.026	280.5	283.5	279.9	271.5
33	457.20	45.00	0.00	51.451	8.695	0.024	280.5	283.5	279.8	273.1
34	457.20	50.00	0.00	51.493	6.523	0.024	280.5	283.5	279.7	274.6
35	457.20	55.00	0.00	51.451	5.249	0.027	280.6	283.5	279.9	275.8
36	457.20	60.00	0.00	51.392	3.837	0.028	280.6	283.5	279.9	276.9
37	457.20	65.00	0.00	51.391	3.082	0.028	280.7	283.5	280.0	277.5
38	457.20	70.00	0.00	51.405	1.911	0.027	280.7	283.5	280.3	278.8
39	457.20	75.00	0.00	51.400	1.399	0.029	280.7	283.5	280.2	279.1
40	457.20	80.00	0.00	51.383	1.186	0.028	280.8	283.5	280.4	279.4
41	457.20	85.00	0.00	51.385	0.589	0.024	280.9	283.5	280.5	280.0
42	457.20	90.00	0.00	51.383	0.373	0.024	280.9	283.5	280.7	280.4
43	457.20	95.00	0.00	51.400	0.289	0.028	280.9	283.5	280.5	280.3
44	457.20	100.00	0.00	51.424	0.118	0.028	280.9	283.5	280.6	280.5
45	457.20	105.00	0.00	51.415	0.056	0.027	280.9	283.5	280.6	280.6
46	457.20	110.00	0.00	51.386	0.027	0.027	281.0	283.5	280.6	280.6

File : TAB183T

11-DEC-88
23-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config IV(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.867 kPa

Mean gauged plenum pressure : 51.104 kPa
RMS gauged plenum pressure : 0.061 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.137	0.023	0.013	285.8	284.2	285.7	285.7
3	457.20	-105.00	0.00	51.116	0.014	0.014	285.9	284.2	285.7	285.7
4	457.20	-100.00	0.00	51.090	0.013	0.013	285.9	284.3	285.7	285.7
5	457.20	-95.00	0.00	51.094	0.012	0.014	286.0	284.3	285.7	285.7
6	457.20	-90.00	0.00	51.092	0.029	0.015	286.0	284.3	285.5	285.5
7	457.20	-85.00	0.00	51.107	0.071	0.016	286.0	284.3	285.6	285.5
8	457.20	-80.00	0.00	51.099	0.167	0.014	286.1	284.3	285.3	285.2
9	457.20	-75.00	0.00	51.102	0.322	0.014	286.1	284.3	285.2	284.9
10	457.20	-70.00	0.00	51.115	0.652	0.013	286.1	284.3	284.7	284.2
11	457.20	-65.00	0.00	51.159	1.164	0.016	286.1	284.3	284.7	283.7
12	457.20	-60.00	0.00	51.225	1.530	0.013	286.0	284.3	284.4	283.1
13	457.20	-55.00	0.00	51.229	2.392	0.015	286.0	284.3	284.0	282.0
14	457.20	-50.00	0.00	51.208	3.438	0.012	286.0	284.2	283.9	281.1
15	457.20	-45.00	0.00	51.164	4.671	0.013	286.1	284.3	283.7	279.9

16	457.20	-40.00	0.00	51.144	6.551	0.013	286.1	284.3	283.4	278.2
17	457.20	-35.00	0.00	51.132	7.529	0.016	286.1	284.3	283.3	277.4
18	457.20	-30.00	0.00	51.157	10.263	0.014	286.1	284.3	283.1	275.1
19	457.20	-25.00	0.00	51.218	13.595	0.014	286.1	284.2	282.9	272.6
20	457.20	-20.00	0.00	51.225	16.793	0.014	286.1	284.3	282.9	270.4
21	457.20	-15.00	0.00	51.161	20.176	0.013	286.1	284.3	282.9	268.1
22	457.20	-10.00	0.00	51.109	22.785	0.014	286.0	284.2	282.8	266.3
23	457.20	-5.00	0.00	51.099	24.536	0.015	286.2	284.2	282.9	265.3
24	457.20	0.00	0.00	51.066	25.204	0.012	286.9	284.2	282.9	264.9
25	457.20	5.00	0.00	51.030	24.607	0.013	287.2	284.2	282.8	265.2
26	457.20	10.00	0.00	51.001	23.520	0.012	287.2	284.3	282.7	265.8
27	457.20	15.00	0.00	51.028	21.761	0.016	287.4	284.3	282.7	266.9
28	457.20	20.00	0.00	51.037	19.615	0.012	287.3	284.3	282.8	268.4
29	457.20	25.00	0.00	51.080	17.469	0.015	286.7	284.3	283.0	270.0
30	457.20	30.00	0.00	51.125	15.056	0.017	286.4	284.3	283.2	271.8
31	457.20	35.00	0.00	51.143	12.860	0.015	286.3	284.3	283.2	273.4
32	457.20	40.00	0.00	51.145	10.805	0.013	286.3	284.3	283.4	275.0
33	457.20	45.00	0.00	51.099	8.960	0.014	286.2	284.3	283.5	276.5
34	457.20	50.00	0.00	51.081	7.487	0.014	286.2	284.3	283.7	277.8
35	457.20	55.00	0.00	51.066	5.972	0.013	286.2	284.3	284.0	279.2
36	457.20	60.00	0.00	51.035	4.847	0.013	286.2	284.3	284.3	280.4
37	457.20	65.00	0.00	51.065	3.793	0.013	286.3	284.4	284.4	281.3
38	457.20	70.00	0.00	51.044	2.984	0.013	286.4	284.3	284.8	282.4
39	457.20	75.00	0.00	50.992	2.274	0.013	286.4	284.4	284.8	282.9
40	457.20	80.00	0.00	51.021	1.752	0.014	286.4	284.4	284.9	283.5
41	457.20	85.00	0.00	51.031	1.268	0.015	286.4	284.3	285.1	284.1
42	457.20	90.00	0.00	51.019	0.901	0.016	286.4	284.3	285.2	284.5
43	457.20	95.00	0.00	51.076	0.500	0.017	286.4	284.4	285.3	284.9
44	457.20	100.00	0.00	51.125	0.344	0.015	286.5	284.4	285.2	284.9
45	457.20	105.00	0.00	51.095	0.141	0.017	286.4	284.4	285.6	285.5
46	457.20	110.00	0.00	51.073	0.137	0.016	286.5	284.4	285.8	285.7

File : TAB242T 3-JAN-89
3-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
Config VI(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.562 kPa

Mean gauged plenum pressure : 50.927 kPa
RMS gauged plenum pressure : 0.245 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.290	0.253	0.033	282.4	279.7	282.7	282.5
3	457.20	-105.00	0.00	51.198	0.414	0.028	282.3	279.9	282.6	282.3
4	457.20	-100.00	0.00	51.128	0.644	0.032	282.3	280.0	282.5	282.0
5	457.20	-95.00	0.00	50.935	0.928	0.033	282.2	280.1	282.5	281.7
6	457.20	-90.00	0.00	50.618	1.347	0.037	282.2	280.2	282.4	281.3
7	457.20	-85.00	0.00	50.364	1.956	0.043	282.2	280.2	282.4	280.8
8	457.20	-80.00	0.00	50.767	2.616	0.046	282.2	280.3	282.3	280.2
9	457.20	-75.00	0.00	50.670	3.279	0.046	282.2	280.4	282.3	279.6
10	457.20	-70.00	0.00	50.970	4.220	0.045	282.2	280.5	282.3	278.9
11	457.20	-65.00	0.00	51.250	5.078	0.046	282.2	280.5	282.3	278.2
12	457.20	-60.00	0.00	51.258	6.213	0.047	282.1	280.5	282.3	277.4
13	457.20	-55.00	0.00	51.086	7.168	0.040	282.0	280.5	282.3	276.6
14	457.20	-50.00	0.00	51.076	7.953	0.045	282.1	280.6	282.3	276.0
15	457.20	-45.00	0.00	50.854	8.648	0.041	282.1	280.6	282.3	275.5

16	457.20	-40.00	0.00	50.526	9.420	0.045	282.1	280.6	282.3	274.9
17	457.20	-35.00	0.00	50.936	10.202	0.041	282.1	280.6	282.3	274.4
18	457.20	-30.00	0.00	50.727	11.084	0.043	282.0	280.6	282.2	273.6
19	457.20	-25.00	0.00	50.860	12.395	0.044	282.0	280.6	282.2	272.7
20	457.20	-20.00	0.00	51.050	13.938	0.046	282.0	280.6	282.2	271.6
21	457.20	-15.00	0.00	51.176	15.777	0.045	282.0	280.7	282.2	270.3
22	457.20	-10.00	0.00	51.412	17.888	0.051	282.0	280.7	282.2	268.9
23	457.20	-5.00	0.00	51.011	19.093	0.052	282.0	280.7	282.2	268.1
24	457.20	0.00	0.00	51.022	19.907	0.052	282.0	280.7	282.2	267.6
25	457.20	5.00	0.00	50.950	19.452	0.056	282.0	280.7	282.1	267.8
26	457.20	10.00	0.00	50.699	18.086	0.052	282.0	280.6	282.1	268.7
27	457.20	15.00	0.00	50.739	16.475	0.049	282.0	280.7	282.1	269.8
28	457.20	20.00	0.00	50.587	14.578	0.050	282.1	280.7	282.1	271.1
29	457.20	25.00	0.00	50.818	13.066	0.045	282.1	280.7	282.1	272.1
30	457.20	30.00	0.00	50.868	11.567	0.046	282.1	280.7	282.1	273.2
31	457.20	35.00	0.00	51.035	10.425	0.042	282.1	280.7	282.1	274.0
32	457.20	40.00	0.00	51.032	9.256	0.047	282.1	280.7	282.1	274.9
33	457.20	45.00	0.00	51.193	8.313	0.044	282.1	280.7	282.1	275.6
34	457.20	50.00	0.00	51.034	7.474	0.042	282.1	280.7	282.1	276.2
35	457.20	55.00	0.00	50.970	6.179	0.042	282.1	280.7	282.1	277.2
36	457.20	60.00	0.00	50.937	5.332	0.041	282.1	280.7	282.1	277.8
37	457.20	65.00	0.00	50.728	4.424	0.038	282.1	280.7	282.0	278.4
38	457.20	70.00	0.00	50.585	3.622	0.038	282.1	280.7	282.0	279.1
39	457.20	75.00	0.00	50.432	2.872	0.036	282.1	280.7	282.1	279.8
40	457.20	80.00	0.00	50.851	2.035	0.032	282.1	280.7	282.1	280.4
41	457.20	85.00	0.00	50.990	1.528	0.028	282.1	280.7	282.1	280.8
42	457.20	90.00	0.00	51.160	0.990	0.026	282.0	280.7	282.1	281.3
43	457.20	95.00	0.00	51.349	0.695	0.025	282.0	280.7	282.1	281.5
44	457.20	100.00	0.00	50.824	0.371	0.020	282.1	280.6	282.1	281.8
45	457.20	105.00	0.00	50.821	0.196	0.025	282.1	280.7	282.1	281.9
46	457.20	110.00	0.00	50.807	0.102	0.017	282.1	280.7	282.1	282.0

File : TAB241T 2-JAN-89
2-JAN-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
Config VI(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.104 kPa

Mean gauged plenum pressure : 51.185 kPa
RMS gauged plenum pressure : 0.285 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.198	0.711	0.020	287.5	281.2	286.6	286.0
3	457.20	0.00	-58.00	51.543	0.871	0.014	287.4	281.2	286.6	285.9
4	457.20	0.00	-56.00	51.909	1.009	0.013	287.3	281.2	286.6	285.8
5	457.20	0.00	-54.00	51.354	1.290	0.013	287.2	281.1	286.6	285.5
6	457.20	0.00	-52.00	50.975	1.534	0.014	287.2	281.1	286.6	285.3
7	457.20	0.00	-50.00	51.309	1.791	0.013	287.2	281.1	286.6	285.1
8	457.20	0.00	-48.00	51.015	2.137	0.014	287.1	281.1	286.5	284.7
9	457.20	0.00	-46.00	50.872	2.496	0.014	287.1	281.1	286.5	284.4
10	457.20	0.00	-44.00	51.175	3.041	0.013	287.0	281.1	286.5	284.0
11	457.20	0.00	-42.00	51.256	3.488	0.015	287.1	281.1	286.5	283.7
12	457.20	0.00	-40.00	51.387	3.985	0.017	287.1	281.1	286.6	283.4
13	457.20	0.00	-38.00	51.511	4.644	0.013	287.2	281.1	286.5	282.7
14	457.20	0.00	-36.00	51.657	5.262	0.013	287.1	281.1	286.5	282.2
15	457.20	0.00	-34.00	51.476	6.012	0.014	287.0	281.1	286.5	281.7

16	457.20	0.00	-32.00	50.961	6.757	0.013	287.0	281.1	286.5	281.1
17	457.20	0.00	-30.00	50.843	7.429	0.013	287.0	281.0	286.5	280.6
18	457.20	0.00	-28.00	50.662	8.416	0.013	287.0	281.0	286.5	279.8
19	457.20	0.00	-26.00	50.498	9.290	0.015	287.0	281.0	286.5	279.2
20	457.20	0.00	-24.00	51.275	10.611	0.013	287.0	281.0	286.5	278.2
21	457.20	0.00	-22.00	51.315	11.316	0.013	287.0	281.0	286.5	277.7
22	457.20	0.00	-20.00	51.455	12.638	0.013	287.0	281.0	286.4	276.6
23	457.20	0.00	-18.00	51.045	13.710	0.012	286.9	281.0	286.5	276.0
24	457.20	0.00	-16.00	51.253	14.829	0.012	287.0	281.0	286.5	275.2
25	457.20	0.00	-14.00	51.348	16.171	0.012	287.0	281.0	286.4	274.2
26	457.20	0.00	-12.00	51.332	17.169	0.013	286.9	281.0	286.5	273.6
27	457.20	0.00	-10.00	51.236	18.004	0.012	286.9	281.0	286.4	272.9
28	457.20	0.00	-8.00	51.134	18.646	0.012	286.9	281.0	286.5	272.6
29	457.20	0.00	-6.00	51.034	19.484	0.012	286.9	281.0	286.5	272.0
30	457.20	0.00	-4.00	51.031	19.615	0.012	286.8	280.9	286.4	271.8
31	457.20	0.00	-2.00	51.007	19.840	0.012	286.8	281.0	286.4	271.7
32	457.20	0.00	0.00	51.003	19.874	0.012	286.9	281.0	286.4	271.7
33	457.20	0.00	2.00	51.050	19.454	0.012	286.7	281.0	286.4	271.9
34	457.20	0.00	4.00	51.133	19.266	0.012	286.7	281.0	286.3	272.0
35	457.20	0.00	6.00	51.208	18.593	0.012	286.8	281.0	286.3	272.4
36	457.20	0.00	8.00	51.205	17.885	0.012	286.8	280.9	286.3	272.9
37	457.20	0.00	10.00	51.232	16.934	0.012	286.9	281.0	286.3	273.5

File : TAB257T

12-JAN-89
12-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG VI(A)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 51.293 kPa
RMS gauged plenum pressure : 0.297 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.349	0.113	0.012	284.0	281.0	283.7	283.6
3	457.20	-105.00	0.00	51.255	0.142	0.012	284.0	281.0	284.0	283.9
4	457.20	-100.00	0.00	50.758	0.296	0.012	284.0	281.0	284.0	283.8
5	457.20	-95.00	0.00	50.464	0.580	0.012	284.0	281.0	284.0	283.5
6	457.20	-90.00	0.00	51.439	1.001	0.012	284.0	281.0	284.0	283.2
7	457.20	-85.00	0.00	51.197	1.229	0.012	284.0	281.0	284.0	283.0
8	457.20	-80.00	0.00	51.347	1.806	0.012	284.0	281.0	284.0	282.5
9	457.20	-75.00	0.00	51.510	2.639	0.012	284.0	281.0	283.9	281.8
10	457.20	-70.00	0.00	51.191	3.258	0.012	283.9	281.1	283.9	281.3
11	457.20	-65.00	0.00	51.183	4.200	0.012	284.0	281.1	284.0	280.6
12	457.20	-60.00	0.00	51.318	5.160	0.012	284.0	281.1	284.0	279.9
13	457.20	-55.00	0.00	51.321	6.004	0.012	284.0	281.0	284.0	279.2
14	457.20	-50.00	0.00	51.178	6.956	0.012	283.9	281.0	283.9	278.4
15	457.20	-45.00	0.00	51.123	7.491	0.012	284.0	281.0	284.0	278.1

16	457.20	-40.00	0.00	51.211	8.234	0.012	283.9	281.0	283.9	277.4
17	457.20	-35.00	0.00	51.227	9.030	0.013	283.9	281.0	283.9	276.9
18	457.20	-30.00	0.00	51.550	10.253	0.013	283.9	281.0	283.9	276.0
19	457.20	-25.00	0.00	51.411	11.642	0.013	284.0	281.1	283.9	275.0
20	457.20	-20.00	0.00	51.385	13.253	0.012	284.0	281.1	283.9	273.8
21	457.20	-15.00	0.00	51.330	15.761	0.013	284.0	281.1	284.0	272.2
22	457.20	-10.00	0.00	51.207	17.898	0.013	284.0	281.1	283.9	270.6
23	457.20	-5.00	0.00	51.199	19.167	0.013	283.9	281.0	283.9	269.8
24	457.20	0.00	0.00	51.147	19.790	0.012	283.9	281.1	283.9	269.4
25	457.20	5.00	0.00	51.421	19.366	0.012	283.9	281.0	283.9	269.7
26	457.20	10.00	0.00	51.189	17.722	0.012	283.9	281.0	283.9	270.8
27	457.20	15.00	0.00	51.318	15.467	0.014	283.9	281.0	283.9	272.3
28	457.20	20.00	0.00	51.446	13.403	0.012	283.9	281.1	283.9	273.7
29	457.20	25.00	0.00	51.381	11.260	0.013	283.9	281.1	283.9	275.2
30	457.20	30.00	0.00	51.224	9.723	0.012	283.9	281.1	283.9	276.4
31	457.20	35.00	0.00	51.107	8.338	0.012	283.9	281.1	283.9	277.4
32	457.20	40.00	0.00	51.378	7.311	0.012	284.0	281.0	283.9	278.1
33	457.20	45.00	0.00	51.212	6.487	0.012	283.9	281.0	283.9	278.8
34	457.20	50.00	0.00	51.281	5.323	0.012	283.9	281.0	283.9	279.7
35	457.20	55.00	0.00	51.217	4.429	0.014	283.9	281.0	283.9	280.3
36	457.20	60.00	0.00	51.228	3.820	0.013	283.9	281.0	283.9	280.8
37	457.20	65.00	0.00	51.465	2.976	0.013	283.9	281.0	283.9	281.5
38	457.20	70.00	0.00	51.348	1.940	0.013	283.9	281.1	283.9	282.3
39	457.20	75.00	0.00	51.354	1.995	0.013	283.9	281.1	283.9	282.3
40	457.20	80.00	0.00	51.225	1.146	0.013	283.9	281.1	283.9	283.0
41	457.20	85.00	0.00	51.183	0.860	0.012	283.9	281.1	283.9	283.2
42	457.20	90.00	0.00	51.348	0.702	0.012	283.9	281.0	283.9	283.3
43	457.20	95.00	0.00	51.163	0.395	0.012	283.9	281.0	283.9	283.6
44	457.20	100.00	0.00	51.196	0.250	0.013	283.9	281.0	283.9	283.7
45	457.20	105.00	0.00	51.345	0.147	0.014	283.9	281.0	283.9	283.8
46	457.20	110.00	0.00	51.426	0.108	0.015	283.9	281.1	283.9	283.8

File : TAB269T

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18-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
CONFIG VI(A)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 51.278 kPa
RMS gauged plenum pressure : 0.159 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.240	0.100	0.013	289.8	280.8	288.0	287.9
3	457.20	-105.00	0.00	51.342	0.184	0.013	289.6	280.9	288.2	288.0
4	457.20	-100.00	0.00	51.284	0.227	0.013	289.5	281.0	288.3	288.1
5	457.20	-95.00	0.00	51.420	0.479	0.014	289.3	281.0	288.3	287.9
6	457.20	-90.00	0.00	51.241	0.588	0.015	289.2	281.0	288.3	287.8
7	457.20	-85.00	0.00	51.194	1.345	0.014	289.2	280.9	288.3	287.2
8	457.20	-80.00	0.00	51.453	1.963	0.014	289.1	280.9	288.3	286.7
9	457.20	-75.00	0.00	51.173	2.746	0.012	289.4	280.9	288.5	286.2
10	457.20	-70.00	0.00	51.317	3.157	0.012	289.5	280.9	288.6	286.0
11	457.20	-65.00	0.00	51.345	3.807	0.015	289.5	281.0	288.6	285.5
12	457.20	-60.00	0.00	51.358	4.877	0.013	289.6	281.0	288.6	284.6
13	457.20	-55.00	0.00	51.273	5.476	0.012	289.8	281.0	288.5	284.1
14	457.20	-50.00	0.00	51.349	6.300	0.012	289.7	281.1	288.6	283.5
15	457.20	-45.00	0.00	51.296	7.349	0.012	289.9	281.1	288.6	282.7

16	457.20	-40.00	0.00	51.189	7.853	0.012	290.4	281.1	288.6	282.3
17	457.20	-35.00	0.00	51.191	8.605	0.012	290.8	281.0	288.7	281.9
18	457.20	-30.00	0.00	51.355	9.879	0.012	290.7	281.0	288.7	280.9
19	457.20	-25.00	0.00	51.220	11.190	0.012	290.3	281.0	288.7	279.9
20	457.20	-20.00	0.00	51.264	12.981	0.012	289.9	281.0	288.7	278.6
21	457.20	-15.00	0.00	51.261	15.264	0.012	289.9	281.0	288.6	276.9
22	457.20	-10.00	0.00	51.493	17.491	0.014	289.9	281.1	288.5	275.3
23	457.20	-5.00	0.00	51.402	18.671	0.012	290.1	281.0	288.4	274.4
24	457.20	0.00	0.00	51.337	19.503	0.014	290.1	281.0	288.5	273.9
25	457.20	5.00	0.00	51.275	18.625	0.013	290.1	281.0	288.4	274.4
26	457.20	10.00	0.00	51.273	16.992	0.014	289.8	280.9	288.4	275.5
27	457.20	15.00	0.00	51.254	14.583	0.014	289.9	280.9	288.4	277.2
28	457.20	20.00	0.00	51.143	12.379	0.013	289.8	280.9	288.4	278.8
29	457.20	25.00	0.00	51.154	10.252	0.012	289.9	280.9	288.4	280.3
30	457.20	30.00	0.00	51.312	8.947	0.012	290.0	281.0	288.5	281.4
31	457.20	35.00	0.00	51.404	7.407	0.012	289.9	281.0	288.6	282.7
32	457.20	40.00	0.00	51.523	6.389	0.012	290.0	281.0	288.6	283.5
33	457.20	45.00	0.00	51.340	5.757	0.012	289.9	281.0	288.6	283.9
34	457.20	50.00	0.00	51.061	4.851	0.011	289.8	281.0	288.7	284.8
35	457.20	55.00	0.00	51.280	4.004	0.011	289.9	281.0	288.7	285.4
36	457.20	60.00	0.00	51.274	3.347	0.011	290.1	281.0	288.8	286.0
37	457.20	65.00	0.00	51.132	2.651	0.012	290.0	281.0	288.8	286.6
38	457.20	70.00	0.00	51.126	2.340	0.012	289.8	281.0	288.7	286.8
39	457.20	75.00	0.00	51.033	1.817	0.012	289.7	281.0	288.6	287.1
40	457.20	80.00	0.00	51.269	1.033	0.012	289.6	281.0	288.6	287.7
41	457.20	85.00	0.00	51.357	0.892	0.012	289.7	281.0	288.6	287.9
42	457.20	90.00	0.00	51.335	0.657	0.012	289.8	281.0	288.5	288.0
43	457.20	95.00	0.00	51.473	0.289	0.012	289.6	281.0	288.5	288.3
44	457.20	100.00	0.00	51.108	0.229	0.012	289.2	280.9	288.4	288.2
45	457.20	105.00	0.00	51.201	0.152	0.012	289.6	280.9	288.6	288.5
46	457.20	110.00	0.00	51.094	0.012	0.012	289.5	280.9	288.5	288.5

File : TAB252T 4-JAN-89
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Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, Config VI(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.408 kPa

Mean gauged plenum pressure : 51.052 kPa
RMS gauged plenum pressure : 0.235 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	50.913	0.229	0.016	276.6	279.0	276.2	276.0
3	457.20	-105.00	0.00	51.232	0.338	0.015	276.7	279.0	276.3	276.0
4	457.20	-100.00	0.00	50.863	0.556	0.016	276.9	279.0	276.4	276.0
5	457.20	-95.00	0.00	50.843	0.842	0.015	276.8	279.0	276.4	275.7
6	457.20	-90.00	0.00	50.987	1.218	0.019	276.6	278.9	276.4	275.4
7	457.20	-85.00	0.00	51.373	1.965	0.018	276.8	278.9	276.4	274.8
8	457.20	-80.00	0.00	51.627	2.489	0.014	276.9	278.9	276.4	274.4
9	457.20	-75.00	0.00	51.770	3.364	0.017	276.9	279.0	276.5	273.9
10	457.20	-70.00	0.00	51.651	4.086	0.018	277.1	279.0	276.5	273.3
11	457.20	-65.00	0.00	51.366	5.064	0.016	277.2	279.0	276.6	272.7
12	457.20	-60.00	0.00	51.207	5.712	0.014	277.1	279.0	276.6	272.2
13	457.20	-55.00	0.00	51.065	6.572	0.017	277.0	279.0	276.6	271.5
14	457.20	-50.00	0.00	50.912	7.308	0.014	277.1	279.0	276.6	271.0
15	457.20	-45.00	0.00	50.772	7.555	0.013	277.2	279.0	276.6	270.8
16	457.20	-40.00	0.00	50.688	8.292	0.014	277.1	279.0	276.6	270.3

17	457.20	-35.00	0.00	50.691	8.794	0.014	277.2	279.0	276.7	270.0
18	457.20	-30.00	0.00	50.808	9.299	0.012	277.3	279.0	276.7	269.6
19	457.20	-25.00	0.00	50.883	10.372	0.012	277.2	279.0	276.7	268.9
20	457.20	-20.00	0.00	51.001	11.958	0.012	277.2	279.0	276.7	267.8
21	457.20	-15.00	0.00	51.082	13.373	0.012	277.0	279.0	276.6	266.7
22	457.20	-10.00	0.00	51.059	15.405	0.014	276.8	279.0	276.6	265.3
23	457.20	-5.00	0.00	51.008	16.617	0.012	276.8	278.9	276.5	264.4
24	457.20	0.00	0.00	50.896	17.266	0.012	277.0	278.9	276.5	264.0
25	457.20	5.00	0.00	50.722	16.804	0.012	277.0	278.9	276.5	264.3
26	457.20	10.00	0.00	50.822	15.474	0.012	277.1	278.9	276.6	265.3
27	457.20	15.00	0.00	50.985	13.736	0.013	277.0	278.9	276.5	266.3
28	457.20	20.00	0.00	50.955	12.050	0.013	276.9	278.9	276.5	267.5
29	457.20	25.00	0.00	50.988	10.603	0.013	277.0	278.9	276.6	268.6
30	457.20	30.00	0.00	51.076	9.235	0.017	277.0	278.9	276.6	269.6
31	457.20	35.00	0.00	51.165	8.865	0.016	277.1	279.0	276.6	269.9
32	457.20	40.00	0.00	51.193	7.836	0.018	277.0	278.9	276.6	270.6
33	457.20	45.00	0.00	51.273	7.209	0.013	277.2	279.0	276.7	271.2
34	457.20	50.00	0.00	51.246	6.620	0.015	277.2	279.0	276.7	271.6
35	457.20	55.00	0.00	51.161	6.150	0.016	277.3	279.0	276.7	271.9
36	457.20	60.00	0.00	51.096	5.151	0.015	277.3	279.0	276.7	272.7
37	457.20	65.00	0.00	51.061	4.607	0.017	277.4	279.0	276.8	273.2
38	457.20	70.00	0.00	51.044	3.682	0.020	277.2	279.0	276.8	273.9
39	457.20	75.00	0.00	50.976	2.814	0.013	277.4	279.0	276.8	274.6
40	457.20	80.00	0.00	50.983	2.099	0.017	277.4	279.0	276.9	275.2
41	457.20	85.00	0.00	50.981	1.797	0.013	277.6	279.0	276.9	275.5
42	457.20	90.00	0.00	50.980	1.256	0.014	277.7	279.0	277.1	276.1
43	457.20	95.00	0.00	50.987	0.907	0.014	277.7	279.1	277.0	276.3
44	457.20	100.00	0.00	51.018	0.487	0.016	277.6	279.0	277.0	276.6
45	457.20	105.00	0.00	50.965	0.275	0.023	277.3	279.0	277.0	276.8
46	457.20	110.00	0.00	50.980	0.134	0.019	277.4	279.0	277.0	276.9

File : TAB253T

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Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, Config VI(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 51.109 kPa
RMS gauged plenum pressure : 0.196 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.505	1.060	0.012	277.8	279.1	277.1	276.3
3	457.20	0.00	-58.00	51.510	1.394	0.012	277.9	279.1	277.2	276.1
4	457.20	0.00	-56.00	51.482	1.521	0.012	278.0	279.1	277.3	276.1
5	457.20	0.00	-54.00	51.497	1.725	0.014	278.0	279.1	277.3	275.9
6	457.20	0.00	-52.00	51.457	2.084	0.012	278.0	279.1	277.4	275.7
7	457.20	0.00	-50.00	51.361	2.524	0.013	278.0	279.1	277.4	275.4
8	457.20	0.00	-48.00	51.282	2.975	0.012	278.0	279.1	277.4	275.0
9	457.20	0.00	-46.00	51.164	3.073	0.012	277.9	279.0	277.4	275.0
10	457.20	0.00	-44.00	51.071	3.383	0.012	277.8	279.0	277.3	274.6
11	457.20	0.00	-42.00	51.051	4.080	0.012	277.7	279.0	277.3	274.1
12	457.20	0.00	-40.00	50.983	4.819	0.012	277.6	279.0	277.2	273.4
13	457.20	0.00	-38.00	50.981	5.283	0.012	277.9	279.0	277.3	273.2
14	457.20	0.00	-36.00	50.979	5.929	0.012	277.9	279.1	277.4	272.8
15	457.20	0.00	-34.00	50.985	6.837	0.012	277.9	279.0	277.4	272.1
16	457.20	0.00	-32.00	50.947	7.479	0.012	277.9	279.0	277.4	271.6

17	457.20	0.00	-30.00	50.975	7.909	0.012	278.0	279.0	277.4	271.3
18	457.20	0.00	-28.00	51.007	8.663	0.014	278.0	279.1	277.5	270.9
19	457.20	0.00	-26.00	51.085	9.522	0.013	277.8	279.1	277.4	270.2
20	457.20	0.00	-24.00	51.065	10.511	0.012	277.9	279.1	277.4	269.5
21	457.20	0.00	-22.00	51.131	11.564	0.013	277.9	279.1	277.4	268.7
22	457.20	0.00	-20.00	51.115	11.986	0.012	277.9	279.1	277.4	268.4
23	457.20	0.00	-18.00	51.105	13.219	0.012	278.1	279.1	277.5	267.7
24	457.20	0.00	-16.00	51.080	13.635	0.015	278.1	279.1	277.5	267.4
25	457.20	0.00	-14.00	51.098	14.701	0.015	278.1	279.1	277.5	266.7
26	457.20	0.00	-12.00	51.081	15.248	0.014	278.1	279.1	277.5	266.3
27	457.20	0.00	-10.00	51.034	16.066	0.012	278.1	279.1	277.5	265.7
28	457.20	0.00	-8.00	51.032	16.469	0.013	278.1	279.1	277.5	265.5
29	457.20	0.00	-6.00	50.963	16.872	0.013	278.1	279.1	277.6	265.3
30	457.20	0.00	-4.00	50.879	16.906	0.013	278.2	279.1	277.6	265.3
31	457.20	0.00	-2.00	50.902	17.212	0.014	278.1	279.1	277.7	265.2
32	457.20	0.00	0.00	50.917	17.228	0.014	278.2	279.1	277.7	265.2
33	457.20	0.00	2.00	50.903	16.680	0.014	278.3	279.1	277.7	265.5
34	457.20	0.00	4.00	50.646	16.624	0.012	278.1	279.1	277.7	265.6
35	457.20	0.00	6.00	51.156	16.355	0.015	278.0	279.1	277.6	265.7
36	457.20	0.00	8.00	51.156	15.885	0.013	277.9	279.1	277.6	266.0
37	457.20	0.00	10.00	51.155	15.124	0.019	277.8	279.1	277.4	266.3

File : TAB264T

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Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG VI(B)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 51.282 kPa
RMS gauged plenum pressure : 0.223 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.191	0.175	0.012	276.0	278.7	276.0	275.9
3	457.20	-105.00	0.00	51.026	0.289	0.012	276.1	278.6	276.0	275.8
4	457.20	-100.00	0.00	51.294	0.392	0.012	276.1	278.7	276.1	275.8
5	457.20	-95.00	0.00	51.245	0.812	0.012	276.1	278.7	276.1	275.5
6	457.20	-90.00	0.00	51.262	1.204	0.012	276.0	278.7	276.1	275.1
7	457.20	-85.00	0.00	51.462	1.446	0.013	276.1	278.8	276.1	275.0
8	457.20	-80.00	0.00	51.548	2.354	0.012	276.1	278.9	276.1	274.2
9	457.20	-75.00	0.00	51.628	2.877	0.012	276.1	278.9	276.1	273.8
10	457.20	-70.00	0.00	51.404	3.529	0.012	276.2	278.9	276.2	273.4
11	457.20	-65.00	0.00	51.368	4.743	0.012	276.2	278.9	276.2	272.5
12	457.20	-60.00	0.00	51.056	4.715	0.012	276.2	278.8	276.2	272.5
13	457.20	-55.00	0.00	51.343	5.346	0.013	276.3	278.9	276.3	272.2
14	457.20	-50.00	0.00	51.168	5.906	0.013	276.3	278.8	276.3	271.7
15	457.20	-45.00	0.00	51.127	6.596	0.014	276.2	278.8	276.2	271.1

16	457.20	-40.00	0.00	51.078	6.638	0.013	276.2	278.8	276.2	271.1
17	457.20	-35.00	0.00	51.435	7.519	0.014	276.2	278.8	276.2	270.5
18	457.20	-30.00	0.00	51.288	8.427	0.014	276.2	278.8	276.2	269.8
19	457.20	-25.00	0.00	51.344	9.665	0.015	276.2	278.8	276.2	268.9
20	457.20	-20.00	0.00	51.404	11.416	0.016	276.2	278.8	276.2	267.7
21	457.20	-15.00	0.00	51.400	13.404	0.014	276.2	278.8	276.2	266.3
22	457.20	-10.00	0.00	51.261	15.541	0.017	276.3	278.9	276.2	264.9
23	457.20	-5.00	0.00	51.137	17.082	0.018	276.4	278.9	276.3	263.9
24	457.20	0.00	0.00	51.117	17.187	0.019	276.4	278.9	276.3	263.9
25	457.20	5.00	0.00	51.151	16.713	0.015	276.5	279.0	276.3	264.2
26	457.20	10.00	0.00	51.412	14.873	0.018	276.5	278.9	276.3	265.4
27	457.20	15.00	0.00	51.287	12.669	0.019	276.5	278.9	276.3	266.9
28	457.20	20.00	0.00	51.445	10.789	0.016	276.5	278.9	276.4	268.3
29	457.20	25.00	0.00	51.542	9.113	0.021	276.6	278.9	276.4	269.5
30	457.20	30.00	0.00	51.418	7.647	0.015	276.7	279.0	276.4	270.6
31	457.20	35.00	0.00	50.883	6.631	0.018	276.7	279.0	276.5	271.4
32	457.20	40.00	0.00	51.308	5.823	0.020	276.7	279.0	276.5	272.0
33	457.20	45.00	0.00	51.315	5.416	0.022	276.8	279.0	276.5	272.3
34	457.20	50.00	0.00	51.147	4.439	0.021	276.8	279.0	276.5	273.0
35	457.20	55.00	0.00	51.373	4.036	0.020	276.8	279.0	276.6	273.4
36	457.20	60.00	0.00	51.038	3.223	0.017	276.8	278.9	276.6	274.1
37	457.20	65.00	0.00	51.349	2.843	0.014	276.8	278.9	276.6	274.4
38	457.20	70.00	0.00	51.177	2.476	0.018	276.7	278.9	276.6	274.6
39	457.20	75.00	0.00	51.283	1.864	0.020	276.7	278.9	276.5	275.0
40	457.20	80.00	0.00	51.515	1.315	0.021	276.7	278.8	276.5	275.5
41	457.20	85.00	0.00	51.291	1.246	0.017	276.6	278.9	276.5	275.5
42	457.20	90.00	0.00	51.444	0.737	0.014	276.5	278.8	276.5	275.9
43	457.20	95.00	0.00	51.295	0.432	0.017	276.6	278.8	276.5	276.2
44	457.20	100.00	0.00	51.215	0.315	0.018	276.6	278.8	276.5	276.2
45	457.20	105.00	0.00	51.227	0.221	0.018	276.7	278.9	276.5	276.3
46	457.20	110.00	0.00	51.518	0.099	0.019	276.8	278.9	276.6	276.5

File : TAB273T

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Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
CONFIG VI(B)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 51.349 kPa
RMS gauged plenum pressure : 0.182 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.237	0.117	0.012	282.7	279.6	282.3	282.2
3	457.20	-105.00	0.00	51.043	0.193	0.012	282.7	279.6	282.4	282.2
4	457.20	-100.00	0.00	51.420	0.322	0.012	282.8	279.7	282.5	282.2
5	457.20	-95.00	0.00	51.562	0.578	0.013	282.8	279.7	282.6	282.1
6	457.20	-90.00	0.00	51.599	0.807	0.013	282.8	279.8	282.6	281.9
7	457.20	-85.00	0.00	51.563	1.393	0.012	282.8	279.8	282.6	281.5
8	457.20	-80.00	0.00	51.310	1.964	0.013	282.9	279.7	282.6	281.0
9	457.20	-75.00	0.00	51.169	2.724	0.013	282.9	279.8	282.7	280.5
10	457.20	-70.00	0.00	51.421	3.243	0.015	283.0	279.8	282.7	280.1
11	457.20	-65.00	0.00	51.225	3.619	0.018	283.0	279.8	282.7	279.8
12	457.20	-60.00	0.00	51.327	4.448	0.013	283.0	279.8	282.7	279.2
13	457.20	-55.00	0.00	51.244	5.128	0.017	283.0	279.8	282.7	278.6
14	457.20	-50.00	0.00	51.507	5.792	0.016	283.1	279.8	282.8	278.2
15	457.20	-45.00	0.00	51.626	6.251	0.015	283.1	279.8	282.8	277.9

16	457.20	-40.00	0.00	51.573	6.484	0.017	283.2	279.9	282.9	277.8
17	457.20	-35.00	0.00	51.316	7.405	0.023	283.4	279.9	282.9	277.1
18	457.20	-30.00	0.00	51.246	8.388	0.025	283.5	279.9	283.0	276.5
19	457.20	-25.00	0.00	51.252	9.723	0.021	283.5	279.9	283.0	275.5
20	457.20	-20.00	0.00	51.223	11.372	0.022	283.7	279.9	283.1	274.4
21	457.20	-15.00	0.00	51.467	13.292	0.026	283.5	280.0	283.0	272.9
22	457.20	-10.00	0.00	51.086	15.226	0.021	283.6	280.0	283.0	271.6
23	457.20	-5.00	0.00	51.447	16.502	0.025	283.6	280.0	283.0	270.7
24	457.20	0.00	0.00	51.424	17.079	0.021	283.8	280.1	283.0	270.3
25	457.20	5.00	0.00	51.362	16.083	0.027	283.8	280.0	283.0	271.0
26	457.20	10.00	0.00	51.506	14.212	0.022	283.9	280.1	283.1	272.4
27	457.20	15.00	0.00	51.465	12.104	0.030	284.0	280.1	283.1	273.9
28	457.20	20.00	0.00	51.410	10.132	0.024	284.0	280.1	283.2	275.4
29	457.20	25.00	0.00	51.201	8.452	0.026	284.2	280.0	283.4	276.8
30	457.20	30.00	0.00	51.206	7.135	0.023	284.3	280.0	283.5	277.9
31	457.20	35.00	0.00	51.248	6.072	0.025	284.3	280.0	283.5	278.7
32	457.20	40.00	0.00	51.302	5.388	0.027	284.3	280.0	283.5	279.2
33	457.20	45.00	0.00	51.322	4.720	0.028	284.4	280.0	283.6	279.8
34	457.20	50.00	0.00	51.448	4.280	0.024	284.3	280.1	283.6	280.2
35	457.20	55.00	0.00	51.301	3.252	0.023	284.3	280.1	283.6	281.0
36	457.20	60.00	0.00	51.539	2.997	0.024	284.4	280.1	283.6	281.2
37	457.20	65.00	0.00	51.217	2.562	0.025	284.6	280.1	283.7	281.6
38	457.20	70.00	0.00	51.408	2.135	0.022	284.8	280.1	283.8	282.1
39	457.20	75.00	0.00	51.593	1.533	0.019	285.0	280.1	283.9	282.6
40	457.20	80.00	0.00	51.180	1.319	0.022	285.2	280.1	284.0	282.9
41	457.20	85.00	0.00	51.343	0.870	0.026	285.2	280.1	284.0	283.3
42	457.20	90.00	0.00	51.304	0.625	0.030	285.2	280.1	284.1	283.6
43	457.20	95.00	0.00	51.091	0.419	0.028	285.2	280.1	284.1	283.8
44	457.20	100.00	0.00	51.569	0.212	0.024	285.2	280.1	284.2	284.0
45	457.20	105.00	0.00	51.225	0.097	0.020	285.2	280.0	284.2	284.1
46	457.20	110.00	0.00	51.486	0.020	0.015	285.0	280.0	284.2	284.2

File : TAB239T

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2-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, Config VII(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.171 kPa

Mean gauged plenum pressure : 51.010 kPa
RMS gauged plenum pressure : 0.243 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	50.821	0.284	0.013	286.6	281.0	285.2	285.0
3	457.20	-105.00	0.00	50.694	0.385	0.014	286.3	280.9	285.3	285.0
4	457.20	-100.00	0.00	51.044	0.700	0.014	286.4	281.0	285.3	284.7
5	457.20	-95.00	0.00	50.870	1.000	0.017	286.4	281.0	285.3	284.5
6	457.20	-90.00	0.00	50.698	1.471	0.015	286.4	281.0	285.4	284.2
7	457.20	-85.00	0.00	50.931	2.142	0.017	286.4	281.0	285.5	283.7
8	457.20	-80.00	0.00	51.241	2.951	0.020	286.3	281.0	285.5	283.1
9	457.20	-75.00	0.00	51.120	3.839	0.021	286.2	281.0	285.4	282.3
10	457.20	-70.00	0.00	51.155	4.774	0.015	286.5	281.0	285.6	281.7
11	457.20	-65.00	0.00	51.156	5.715	0.018	286.6	281.0	285.6	281.0
12	457.20	-60.00	0.00	50.952	6.779	0.025	286.5	281.0	285.5	280.1
13	457.20	-55.00	0.00	50.719	7.597	0.023	286.2	281.0	285.5	279.5
14	457.20	-50.00	0.00	50.527	8.058	0.020	286.2	281.0	285.5	279.1
15	457.20	-45.00	0.00	50.448	8.348	0.015	286.4	281.0	285.4	278.8
16	457.20	-40.00	0.00	50.482	8.751	0.013	286.5	281.0	285.5	278.6

17	457.20	-35.00	0.00	51.215	9.174	0.019	286.6	281.0	285.6	278.4
18	457.20	-30.00	0.00	51.398	9.715	0.021	286.3	281.0	285.6	278.0
19	457.20	-25.00	0.00	50.959	10.633	0.020	286.2	281.1	285.5	277.2
20	457.20	-20.00	0.00	50.920	12.072	0.021	286.1	281.0	285.5	276.2
21	457.20	-15.00	0.00	50.939	14.592	0.016	286.4	281.0	285.6	274.5
22	457.20	-10.00	0.00	50.842	16.999	0.018	286.4	281.0	285.6	272.8
23	457.20	-5.00	0.00	50.671	19.413	0.022	286.3	281.0	285.6	271.2
24	457.20	0.00	0.00	50.804	20.564	0.015	286.6	281.0	285.6	270.5
25	457.20	5.00	0.00	50.773	20.289	0.018	286.9	281.0	285.7	270.7
26	457.20	10.00	0.00	51.092	18.278	0.019	286.8	281.0	285.7	272.1
27	457.20	15.00	0.00	51.187	15.946	0.018	286.7	281.1	285.7	273.7
28	457.20	20.00	0.00	51.290	13.421	0.015	286.8	281.1	285.7	275.4
29	457.20	25.00	0.00	51.376	11.577	0.017	286.8	281.1	285.8	276.8
30	457.20	30.00	0.00	50.978	10.309	0.015	286.9	281.1	285.8	277.7
31	457.20	35.00	0.00	51.015	9.354	0.019	286.8	281.1	285.8	278.5
32	457.20	40.00	0.00	51.147	8.606	0.018	286.9	281.1	285.8	279.0
33	457.20	45.00	0.00	51.082	8.028	0.020	286.9	281.1	285.9	279.5
34	457.20	50.00	0.00	51.068	7.474	0.019	287.0	281.1	286.0	280.1
35	457.20	55.00	0.00	51.009	6.799	0.018	287.0	281.1	286.0	280.6
36	457.20	60.00	0.00	50.946	5.848	0.016	287.1	281.1	286.0	281.3
37	457.20	65.00	0.00	50.945	4.783	0.018	287.2	281.1	286.1	282.2
38	457.20	70.00	0.00	50.936	3.897	0.016	287.1	281.1	286.1	282.9
39	457.20	75.00	0.00	50.970	3.117	0.014	287.2	281.1	286.1	283.6
40	457.20	80.00	0.00	51.010	2.081	0.019	287.1	281.1	286.2	284.5
41	457.20	85.00	0.00	51.068	1.745	0.020	287.0	281.1	286.2	284.8
42	457.20	90.00	0.00	51.110	1.253	0.016	287.0	281.1	286.1	285.1
43	457.20	95.00	0.00	51.246	0.805	0.013	287.5	281.1	286.1	285.4
44	457.20	100.00	0.00	51.253	0.567	0.013	288.0	281.1	286.1	285.6
45	457.20	105.00	0.00	51.279	0.310	0.012	288.5	281.1	286.2	285.9
46	457.20	110.00	0.00	51.305	0.117	0.013	288.6	281.1	286.2	286.1

File : TAB240T 2-JAN-89
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Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, Config VII(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.104 kPa

Mean gauged plenum pressure : 51.140 kPa
RMS gauged plenum pressure : 0.099 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.080	0.660	0.015	287.1	281.1	286.2	285.7
3	457.20	0.00	-58.00	51.076	0.814	0.016	287.0	281.1	286.1	285.4
4	457.20	0.00	-56.00	51.119	1.057	0.015	287.0	281.1	286.2	285.3
5	457.20	0.00	-54.00	51.115	1.196	0.020	286.9	281.0	286.2	285.2
6	457.20	0.00	-52.00	51.096	1.560	0.019	286.9	281.0	286.2	284.9
7	457.20	0.00	-50.00	51.086	1.892	0.017	286.6	281.0	286.2	284.6
8	457.20	0.00	-48.00	51.036	2.181	0.016	286.5	280.9	286.1	284.3
9	457.20	0.00	-46.00	51.005	2.670	0.021	286.5	281.0	286.1	283.9
10	457.20	0.00	-44.00	50.985	3.132	0.023	286.5	280.9	286.0	283.4
11	457.20	0.00	-42.00	50.964	3.670	0.020	286.4	280.9	285.9	282.9
12	457.20	0.00	-40.00	50.971	4.301	0.020	286.5	281.0	286.0	282.5
13	457.20	0.00	-38.00	50.931	4.852	0.020	286.6	281.0	285.9	282.0
14	457.20	0.00	-36.00	51.029	5.682	0.019	286.7	281.0	285.9	281.3
15	457.20	0.00	-34.00	51.060	6.459	0.019	286.8	281.1	286.0	280.8
16	457.20	0.00	-32.00	51.106	7.164	0.021	287.1	281.1	286.1	280.4

17	457.20	0.00	-30.00	51.116	8.264	0.025	287.1	281.1	286.1	279.6
18	457.20	0.00	-28.00	51.095	9.068	0.016	287.2	281.0	286.2	279.0
19	457.20	0.00	-26.00	51.161	9.986	0.027	287.2	281.1	286.3	278.5
20	457.20	0.00	-24.00	51.179	11.180	0.025	287.2	281.1	286.3	277.6
21	457.20	0.00	-22.00	51.233	12.108	0.021	287.1	281.1	286.3	276.9
22	457.20	0.00	-20.00	51.293	13.451	0.028	287.0	281.1	286.3	276.0
23	457.20	0.00	-18.00	51.276	14.653	0.025	286.9	281.1	286.3	275.1
24	457.20	0.00	-16.00	51.277	15.748	0.021	287.1	281.1	286.3	274.4
25	457.20	0.00	-14.00	51.284	16.763	0.016	287.2	281.2	286.4	273.8
26	457.20	0.00	-12.00	51.268	17.827	0.019	287.2	281.2	286.4	273.0
27	457.20	0.00	-10.00	51.235	18.684	0.019	287.3	281.2	286.5	272.6
28	457.20	0.00	-8.00	51.231	19.395	0.021	287.4	281.2	286.6	272.2
29	457.20	0.00	-6.00	51.207	20.132	0.020	287.4	281.2	286.6	271.7
30	457.20	0.00	-4.00	51.203	20.542	0.019	287.4	281.2	286.6	271.4
31	457.20	0.00	-2.00	51.218	21.095	0.017	287.4	281.1	286.6	271.1
32	457.20	0.00	0.00	51.215	20.732	0.014	287.3	281.2	286.6	271.3
33	457.20	0.00	2.00	51.229	20.721	0.016	287.3	281.1	286.6	271.3
34	457.20	0.00	4.00	51.231	20.428	0.017	287.3	281.1	286.6	271.5
35	457.20	0.00	6.00	51.186	19.670	0.015	287.3	281.1	286.6	272.0
36	457.20	0.00	8.00	51.150	19.055	0.013	287.4	281.1	286.6	272.4
37	457.20	0.00	10.00	51.167	18.166	0.014	287.4	281.1	286.6	273.0

File : TAB256T

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12-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG VII(A)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 51.313 kPa
RMS gauged plenum pressure : 0.096 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.360	0.193	0.019	284.1	281.1	284.1	283.9
3	457.20	-105.00	0.00	51.241	0.248	0.018	284.2	281.1	284.1	283.9
4	457.20	-100.00	0.00	51.186	0.380	0.017	284.1	281.1	284.1	283.8
5	457.20	-95.00	0.00	51.218	0.778	0.016	284.1	281.1	284.1	283.5
6	457.20	-90.00	0.00	51.403	1.217	0.016	284.1	281.0	284.1	283.1
7	457.20	-85.00	0.00	51.557	1.873	0.016	284.1	281.1	284.1	282.6
8	457.20	-80.00	0.00	51.570	2.277	0.017	284.1	281.1	284.1	282.2
9	457.20	-75.00	0.00	51.484	3.325	0.015	284.0	281.1	284.1	281.4
10	457.20	-70.00	0.00	51.267	4.011	0.016	284.1	281.1	284.1	280.9
11	457.20	-65.00	0.00	51.276	5.192	0.014	284.1	281.1	284.1	280.0
12	457.20	-60.00	0.00	51.274	5.868	0.015	284.1	281.1	284.1	279.4
13	457.20	-55.00	0.00	51.249	6.637	0.013	284.1	281.1	284.1	278.8
14	457.20	-50.00	0.00	51.201	7.417	0.014	284.1	281.1	284.1	278.3
15	457.20	-45.00	0.00	51.124	7.827	0.015	284.1	281.0	284.1	277.9

16	457.20	-40.00	0.00	51.113	8.092	0.015	284.1	281.1	284.1	277.7
17	457.20	-35.00	0.00	51.242	8.576	0.013	284.1	281.1	284.0	277.3
18	457.20	-30.00	0.00	51.173	9.365	0.017	284.1	281.0	284.1	276.8
19	457.20	-25.00	0.00	51.179	10.569	0.015	284.1	281.1	284.0	275.8
20	457.20	-20.00	0.00	51.194	12.514	0.013	284.1	281.1	284.0	274.4
21	457.20	-15.00	0.00	51.263	14.988	0.013	284.1	281.1	284.0	272.7
22	457.20	-10.00	0.00	51.320	17.286	0.013	284.1	281.1	284.0	271.1
23	457.20	-5.00	0.00	51.368	19.678	0.012	284.1	281.1	284.0	269.6
24	457.20	0.00	0.00	51.353	20.886	0.014	284.1	281.1	284.0	268.8
25	457.20	5.00	0.00	51.357	20.175	0.012	284.0	281.1	284.0	269.2
26	457.20	10.00	0.00	51.358	18.431	0.012	284.1	281.1	284.0	270.4
27	457.20	15.00	0.00	51.366	15.610	0.012	284.0	281.1	284.0	272.3
28	457.20	20.00	0.00	51.365	13.227	0.012	284.1	281.1	284.0	273.9
29	457.20	25.00	0.00	51.353	11.146	0.013	284.0	281.1	284.0	275.4
30	457.20	30.00	0.00	51.358	9.789	0.012	284.1	281.1	284.0	276.4
31	457.20	35.00	0.00	51.359	8.568	0.013	284.0	281.1	284.0	277.3
32	457.20	40.00	0.00	51.353	7.610	0.013	284.1	281.1	284.0	278.0
33	457.20	45.00	0.00	51.345	6.884	0.013	284.0	281.0	284.0	278.6
34	457.20	50.00	0.00	51.347	6.038	0.014	284.1	281.1	284.0	279.2
35	457.20	55.00	0.00	51.351	5.073	0.013	284.0	281.1	284.0	279.9
36	457.20	60.00	0.00	51.343	4.252	0.014	284.0	281.1	284.0	280.6
37	457.20	65.00	0.00	51.342	3.449	0.015	284.0	281.1	284.0	281.2
38	457.20	70.00	0.00	51.336	2.735	0.013	284.0	281.1	284.0	281.8
39	457.20	75.00	0.00	51.326	2.194	0.013	284.1	281.0	284.0	282.2
40	457.20	80.00	0.00	51.335	1.524	0.014	284.0	281.1	284.0	282.8
41	457.20	85.00	0.00	51.353	1.131	0.013	284.1	281.1	284.0	283.1
42	457.20	90.00	0.00	51.317	0.881	0.013	284.0	281.1	284.0	283.3
43	457.20	95.00	0.00	51.329	0.454	0.013	284.0	281.1	284.0	283.6
44	457.20	100.00	0.00	51.334	0.265	0.013	284.0	281.1	284.0	283.8
45	457.20	105.00	0.00	51.327	0.108	0.013	284.0	281.0	284.0	283.9
46	457.20	110.00	0.00	51.333	0.088	0.014	284.0	281.1	284.0	283.9

File : TAB268T

17-JAN-89
18-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
CONFIG VII(A)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.815 kPa

Mean gauged plenum pressure : 51.292 kPa
RMS gauged plenum pressure : 0.231 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.019	0.000	0.002	276.9	277.8	276.1	276.1
3	457.20	-105.00	0.00	51.159	0.035	0.003	276.9	277.8	276.3	276.3
4	457.20	-100.00	0.00	51.244	0.146	0.003	276.9	277.9	276.3	276.2
5	457.20	-95.00	0.00	51.384	0.350	0.003	277.0	278.0	276.3	276.0
6	457.20	-90.00	0.00	51.398	0.668	0.004	277.0	278.0	276.4	275.9
7	457.20	-85.00	0.00	51.276	1.090	0.004	277.0	278.0	276.4	275.5
8	457.20	-80.00	0.00	51.061	1.556	0.004	277.0	277.9	276.5	275.3
9	457.20	-75.00	0.00	51.252	2.520	0.004	277.0	277.9	276.5	274.5
10	457.20	-70.00	0.00	51.114	2.997	0.005	277.0	277.9	276.4	274.0
11	457.20	-65.00	0.00	51.191	4.154	0.004	277.1	277.8	276.5	273.3
12	457.20	-60.00	0.00	51.117	5.127	0.005	277.0	277.9	276.5	272.5
13	457.20	-55.00	0.00	51.226	5.755	0.005	277.1	277.9	276.4	272.0
14	457.20	-50.00	0.00	51.802	6.428	0.005	277.2	277.9	276.5	271.6
15	457.20	-45.00	0.00	51.559	7.018	0.006	277.2	278.1	276.6	271.2

16	457.20	-40.00	0.00	51.408	7.534	0.006	277.2	278.1	276.6	270.8
17	457.20	-35.00	0.00	51.242	8.263	0.006	277.3	278.0	276.6	270.3
18	457.20	-30.00	0.00	51.196	9.059	0.006	277.3	278.0	276.6	269.7
19	457.20	-25.00	0.00	51.219	10.444	0.007	277.3	278.0	276.7	268.9
20	457.20	-20.00	0.00	50.998	12.173	0.007	277.3	278.0	276.7	267.6
21	457.20	-15.00	0.00	51.269	14.736	0.007	277.4	278.0	276.7	265.9
22	457.20	-10.00	0.00	51.190	17.377	0.008	277.4	278.0	276.7	264.2
23	457.20	-5.00	0.00	52.001	20.138	0.008	277.5	278.1	276.7	262.4
24	457.20	0.00	0.00	51.360	20.754	0.008	277.5	278.1	276.7	262.0
25	457.20	5.00	0.00	51.203	19.731	0.008	277.5	278.2	276.8	262.7
26	457.20	10.00	0.00	51.056	17.534	0.009	277.6	278.1	276.8	264.2
27	457.20	15.00	0.00	51.304	14.758	0.009	277.6	278.1	276.8	266.0
28	457.20	20.00	0.00	51.179	12.346	0.009	277.7	278.0	276.9	267.7
29	457.20	25.00	0.00	51.270	10.544	0.009	277.7	278.0	276.9	269.0
30	457.20	30.00	0.00	51.201	8.988	0.010	277.7	278.1	276.9	270.1
31	457.20	35.00	0.00	51.380	7.959	0.010	277.7	278.1	276.9	270.8
32	457.20	40.00	0.00	51.283	6.756	0.010	277.8	278.2	276.9	271.7
33	457.20	45.00	0.00	51.340	6.059	0.010	277.8	278.2	276.9	272.2
34	457.20	50.00	0.00	51.308	5.506	0.010	277.8	278.3	277.0	272.7
35	457.20	55.00	0.00	51.268	4.488	0.010	277.8	278.2	277.0	273.5
36	457.20	60.00	0.00	51.170	3.405	0.011	277.8	278.2	277.0	274.3
37	457.20	65.00	0.00	51.404	2.813	0.011	277.9	278.1	277.1	274.9
38	457.20	70.00	0.00	51.379	2.192	0.011	278.0	278.1	277.1	275.4
39	457.20	75.00	0.00	51.455	1.531	0.011	278.0	278.1	277.2	276.0
40	457.20	80.00	0.00	51.411	1.266	0.012	278.1	278.2	277.2	276.2
41	457.20	85.00	0.00	51.527	0.866	0.012	278.1	278.2	277.2	276.5
42	457.20	90.00	0.00	51.420	0.774	0.012	278.1	278.4	277.2	276.6
43	457.20	95.00	0.00	51.444	0.423	0.013	278.2	278.3	277.2	276.9
44	457.20	100.00	0.00	51.232	0.219	0.014	278.2	278.3	277.3	277.1
45	457.20	105.00	0.00	51.294	0.067	0.016	278.3	278.2	277.4	277.3
46	457.20	110.00	0.00	51.206	0.015	0.021	278.3	278.2	277.4	277.4

File : TAB248T

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3-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, Config VII(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.156 kPa

Mean gauged plenum pressure : 50.782 kPa
RMS gauged plenum pressure : 0.185 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.347	0.307	0.014	286.8	280.9	286.7	286.4
3	457.20	-105.00	0.00	50.845	0.551	0.013	286.8	281.0	286.7	286.2
4	457.20	-100.00	0.00	50.987	0.866	0.013	286.8	280.9	286.7	286.0
5	457.20	-95.00	0.00	50.957	1.373	0.013	286.7	280.9	286.7	285.6
6	457.20	-90.00	0.00	50.826	1.937	0.013	286.8	280.9	286.7	285.1
7	457.20	-85.00	0.00	50.587	2.844	0.013	286.8	280.9	286.7	284.3
8	457.20	-80.00	0.00	50.380	3.197	0.014	286.8	280.9	286.7	284.1
9	457.20	-75.00	0.00	50.249	4.297	0.012	286.7	280.9	286.8	283.3
10	457.20	-70.00	0.00	50.605	5.026	0.013	286.8	281.0	286.8	282.7
11	457.20	-65.00	0.00	50.619	6.087	0.013	286.8	281.0	286.8	281.9
12	457.20	-60.00	0.00	50.818	6.720	0.013	286.7	280.9	286.7	281.3
13	457.20	-55.00	0.00	50.845	7.363	0.013	286.8	281.0	286.8	280.9
14	457.20	-50.00	0.00	50.910	7.576	0.013	286.7	280.9	286.7	280.6
15	457.20	-45.00	0.00	50.874	7.381	0.013	286.8	281.0	286.7	280.8
16	457.20	-40.00	0.00	50.685	7.371	0.014	286.8	281.0	286.8	280.9

17	457.20	-35.00	0.00	50.676	7.635	0.012	286.8	280.9	286.7	280.6
18	457.20	-30.00	0.00	50.542	7.853	0.013	286.8	280.9	286.7	280.4
19	457.20	-25.00	0.00	50.310	8.840	0.012	286.7	280.9	286.7	279.6
20	457.20	-20.00	0.00	50.754	10.141	0.012	286.7	280.9	286.7	278.7
21	457.20	-15.00	0.00	50.860	11.804	0.012	286.7	280.9	286.7	277.4
22	457.20	-10.00	0.00	50.805	14.349	0.012	286.7	280.9	286.7	275.6
23	457.20	-5.00	0.00	50.816	15.678	0.013	286.7	280.9	286.7	274.7
24	457.20	0.00	0.00	50.806	16.629	0.012	286.7	280.9	286.6	273.9
25	457.20	5.00	0.00	50.817	16.195	0.012	286.6	280.9	286.6	274.2
26	457.20	10.00	0.00	50.873	14.333	0.012	286.7	280.9	286.6	275.5
27	457.20	15.00	0.00	51.001	12.635	0.014	286.7	280.9	286.6	276.7
28	457.20	20.00	0.00	51.058	10.452	0.013	286.7	281.0	286.6	278.3
29	457.20	25.00	0.00	50.826	8.939	0.012	286.7	280.9	286.6	279.5
30	457.20	30.00	0.00	50.855	8.067	0.013	286.7	280.9	286.6	280.1
31	457.20	35.00	0.00	50.877	7.558	0.013	286.7	280.9	286.6	280.5
32	457.20	40.00	0.00	50.869	7.300	0.013	286.7	280.9	286.6	280.7
33	457.20	45.00	0.00	50.864	7.119	0.013	286.7	280.9	286.6	280.9
34	457.20	50.00	0.00	50.870	6.808	0.012	286.7	280.9	286.6	281.1
35	457.20	55.00	0.00	50.871	6.433	0.012	286.7	280.9	286.6	281.4
36	457.20	60.00	0.00	50.870	5.860	0.012	286.7	280.9	286.6	281.8
37	457.20	65.00	0.00	50.848	5.306	0.013	286.7	281.0	286.6	282.3
38	457.20	70.00	0.00	50.809	4.339	0.013	286.7	280.9	286.6	283.0
39	457.20	75.00	0.00	50.795	3.507	0.014	286.7	280.9	286.6	283.7
40	457.20	80.00	0.00	50.751	2.943	0.012	286.6	280.9	286.6	284.2
41	457.20	85.00	0.00	50.730	2.070	0.014	286.6	280.9	286.6	284.9
42	457.20	90.00	0.00	50.712	1.549	0.015	286.6	280.9	286.6	285.3
43	457.20	95.00	0.00	50.704	1.134	0.013	286.7	280.9	286.6	285.7
44	457.20	100.00	0.00	50.693	0.720	0.014	286.7	281.0	286.6	286.0
45	457.20	105.00	0.00	50.685	0.400	0.013	286.6	280.9	286.6	286.3
46	457.20	110.00	0.00	50.697	0.197	0.013	286.7	281.0	286.6	286.4

File : TAB249T

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Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, Config VII(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.189 kPa

Mean gauged plenum pressure : 50.748 kPa
RMS gauged plenum pressure : 0.061 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	50.831	1.346	0.016	286.8	281.0	286.7	285.6
3	457.20	0.00	-58.00	50.836	1.669	0.016	286.8	281.0	286.7	285.3
4	457.20	0.00	-56.00	50.854	1.873	0.014	286.8	281.0	286.7	285.1
5	457.20	0.00	-54.00	50.850	2.187	0.014	286.9	281.0	286.7	284.9
6	457.20	0.00	-52.00	50.853	2.541	0.015	286.8	281.0	286.7	284.6
7	457.20	0.00	-50.00	50.837	2.947	0.014	286.9	281.1	286.8	284.4
8	457.20	0.00	-48.00	50.826	3.402	0.017	286.9	281.0	286.8	284.0
9	457.20	0.00	-46.00	50.803	3.835	0.018	286.9	281.0	286.8	283.6
10	457.20	0.00	-44.00	50.732	4.292	0.015	286.8	281.0	286.8	283.3
11	457.20	0.00	-42.00	50.645	4.871	0.017	286.8	281.0	286.8	282.8
12	457.20	0.00	-40.00	50.638	5.512	0.017	286.9	281.1	286.8	282.3
13	457.20	0.00	-38.00	50.639	6.064	0.017	286.8	281.0	286.8	281.9
14	457.20	0.00	-36.00	50.647	6.487	0.016	286.9	281.0	286.8	281.5
15	457.20	0.00	-34.00	50.650	7.294	0.018	286.9	281.0	286.8	280.9
16	457.20	0.00	-32.00	50.677	7.808	0.016	286.9	281.0	286.8	280.5

17	457.20	0.00	-30.00	50.690	8.542	0.014	286.8	281.0	286.8	280.0
18	457.20	0.00	-28.00	50.717	9.185	0.017	286.8	281.0	286.8	279.5
19	457.20	0.00	-26.00	50.721	10.040	0.018	286.8	281.0	286.8	278.8
20	457.20	0.00	-24.00	50.739	10.724	0.014	286.8	281.0	286.8	278.3
21	457.20	0.00	-22.00	50.738	11.487	0.017	286.8	281.0	286.8	277.8
22	457.20	0.00	-20.00	50.742	12.128	0.017	286.8	281.0	286.8	277.3
23	457.20	0.00	-18.00	50.741	12.788	0.014	286.8	281.0	286.8	276.8
24	457.20	0.00	-16.00	50.730	13.506	0.016	286.8	281.0	286.8	276.3
25	457.20	0.00	-14.00	50.730	14.049	0.017	286.8	281.0	286.8	275.9
26	457.20	0.00	-12.00	50.725	14.601	0.015	286.9	281.0	286.8	275.5
27	457.20	0.00	-10.00	50.732	15.240	0.015	286.9	281.1	286.8	275.1
28	457.20	0.00	-8.00	50.750	15.425	0.016	286.9	281.1	286.8	275.0
29	457.20	0.00	-6.00	50.738	16.010	0.014	286.9	281.0	286.8	274.5
30	457.20	0.00	-4.00	50.758	16.282	0.015	286.9	281.0	286.8	274.4
31	457.20	0.00	-2.00	50.750	16.568	0.019	286.9	281.0	286.8	274.2
32	457.20	0.00	0.00	50.758	16.576	0.017	286.9	281.0	286.8	274.2
33	457.20	0.00	2.00	50.782	16.714	0.014	286.9	281.0	286.8	274.1
34	457.20	0.00	4.00	50.761	16.566	0.015	286.9	281.1	286.8	274.2
35	457.20	0.00	6.00	50.765	16.367	0.015	286.9	281.0	286.8	274.3
36	457.20	0.00	8.00	50.741	16.222	0.018	286.8	281.0	286.7	274.3
37	457.20	0.00	10.00	50.757	15.591	0.019	286.9	281.0	286.7	274.7

File : TAB261T 13-JAN-89
13-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG VII(B)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.883 kPa

Mean gauged plenum pressure : 51.459 kPa
RMS gauged plenum pressure : 0.163 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.429	0.247	0.013	282.2	280.2	281.5	281.3
3	457.20	-105.00	0.00	51.143	0.569	0.015	282.1	280.2	281.3	280.8
4	457.20	-100.00	0.00	51.311	0.545	0.019	282.1	280.2	281.2	280.8
5	457.20	-95.00	0.00	51.464	1.114	0.020	281.9	280.3	281.0	280.1
6	457.20	-90.00	0.00	51.229	1.719	0.019	281.7	280.3	280.8	279.4
7	457.20	-85.00	0.00	51.432	2.180	0.019	281.6	280.3	280.8	279.1
8	457.20	-80.00	0.00	51.473	2.875	0.018	281.8	280.3	280.9	278.6
9	457.20	-75.00	0.00	51.460	3.964	0.022	281.7	280.4	280.8	277.7
10	457.20	-70.00	0.00	51.592	4.370	0.022	281.7	280.4	280.8	277.3
11	457.20	-65.00	0.00	51.406	5.302	0.022	281.7	280.4	281.4	277.2
12	457.20	-60.00	0.00	51.341	5.875	0.020	281.8	280.4	281.6	277.0
13	457.20	-55.00	0.00	51.487	6.652	0.024	281.8	280.4	281.6	276.4
14	457.20	-50.00	0.00	51.650	6.722	0.026	281.7	280.5	281.6	276.3
15	457.20	-45.00	0.00	51.426	6.869	0.026	281.6	280.4	281.5	276.1

16	457.20	-40.00	0.00	51.471	6.961	0.027	281.7	280.4	281.5	276.1
17	457.20	-35.00	0.00	51.384	7.260	0.030	281.7	280.5	281.5	275.8
18	457.20	-30.00	0.00	51.469	7.907	0.026	281.7	280.5	281.5	275.4
19	457.20	-25.00	0.00	51.503	9.087	0.026	281.7	280.5	281.5	274.5
20	457.20	-20.00	0.00	51.526	10.432	0.028	281.8	280.5	281.5	273.5
21	457.20	-15.00	0.00	51.491	12.789	0.030	281.8	280.5	281.6	272.0
22	457.20	-10.00	0.00	51.557	14.690	0.029	281.8	280.5	281.6	270.7
23	457.20	-5.00	0.00	51.635	16.330	0.034	281.7	280.5	281.5	269.4
24	457.20	0.00	0.00	51.348	16.958	0.036	281.6	280.5	281.4	268.9
25	457.20	5.00	0.00	51.258	16.195	0.036	281.7	280.4	281.4	269.4
26	457.20	10.00	0.00	51.675	14.590	0.031	281.6	280.4	281.4	270.5
27	457.20	15.00	0.00	51.688	12.516	0.030	281.8	280.4	281.5	272.1
28	457.20	20.00	0.00	51.616	10.329	0.027	282.0	280.5	281.6	273.7
29	457.20	25.00	0.00	51.515	8.804	0.032	281.9	280.5	281.6	274.8
30	457.20	30.00	0.00	51.491	7.556	0.028	282.1	280.5	281.6	275.7
31	457.20	35.00	0.00	51.471	7.020	0.025	282.2	280.5	281.7	276.2
32	457.20	40.00	0.00	51.565	6.414	0.031	282.2	280.5	281.7	276.7
33	457.20	45.00	0.00	51.470	5.995	0.031	282.2	280.5	281.7	277.0
34	457.20	50.00	0.00	51.557	5.668	0.029	282.1	280.5	281.7	277.2
35	457.20	55.00	0.00	51.586	4.894	0.030	282.2	280.5	281.3	277.4
36	457.20	60.00	0.00	51.481	4.190	0.027	282.0	280.5	281.0	277.7
37	457.20	65.00	0.00	51.380	3.444	0.027	282.0	280.5	280.9	278.2
38	457.20	70.00	0.00	51.452	2.999	0.028	282.1	280.6	281.2	278.8
39	457.20	75.00	0.00	51.402	2.418	0.022	282.3	280.6	281.2	279.3
40	457.20	80.00	0.00	51.424	1.976	0.023	282.5	280.6	281.1	279.5
41	457.20	85.00	0.00	51.350	1.318	0.024	282.5	280.5	281.3	280.2
42	457.20	90.00	0.00	51.499	0.989	0.021	282.4	280.5	281.3	280.5
43	457.20	95.00	0.00	51.217	0.628	0.028	282.1	280.5	281.3	280.8
44	457.20	100.00	0.00	51.368	0.426	0.019	282.2	280.5	281.4	281.1
45	457.20	105.00	0.00	51.297	0.229	0.021	282.2	280.5	281.3	281.1
46	457.20	110.00	0.00	51.471	0.118	0.016	282.2	280.5	281.6	281.5

File : TAB272T 19-JAN-89
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Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
CONFIG VII(B)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 51.338 kPa
RMS gauged plenum pressure : 0.164 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.131	0.194	0.011	282.0	279.4	281.6	281.4
3	457.20	-105.00	0.00	51.093	0.359	0.011	282.1	279.5	281.8	281.5
4	457.20	-100.00	0.00	51.507	0.667	0.011	282.1	279.5	281.8	281.3
5	457.20	-95.00	0.00	51.695	0.937	0.011	282.2	279.6	281.9	281.1
6	457.20	-90.00	0.00	51.609	1.297	0.011	282.2	279.6	281.9	280.8
7	457.20	-85.00	0.00	51.534	1.959	0.011	282.2	279.7	281.9	280.3
8	457.20	-80.00	0.00	51.385	2.256	0.011	282.2	279.7	281.9	280.1
9	457.20	-75.00	0.00	51.216	2.775	0.011	282.3	279.7	282.0	279.8
10	457.20	-70.00	0.00	51.242	3.928	0.012	282.2	279.7	282.0	278.9
11	457.20	-65.00	0.00	51.291	4.729	0.011	282.2	279.7	282.1	278.3
12	457.20	-60.00	0.00	51.209	5.629	0.012	282.2	279.7	282.0	277.6
13	457.20	-55.00	0.00	51.243	6.165	0.012	282.1	279.7	281.9	277.0
14	457.20	-50.00	0.00	51.428	6.110	0.012	282.1	279.8	281.9	277.1
15	457.20	-45.00	0.00	51.362	6.439	0.011	282.1	279.8	281.9	276.8

C-3

16	457.20	-40.00	0.00	51.404	6.780	0.012	282.1	279.8	281.9	276.6
17	457.20	-35.00	0.00	51.361	7.258	0.011	282.1	279.8	281.9	276.2
18	457.20	-30.00	0.00	51.226	7.974	0.012	282.1	279.8	281.9	275.7
19	457.20	-25.00	0.00	51.318	9.280	0.011	282.2	279.8	281.9	274.7
20	457.20	-20.00	0.00	51.310	10.864	0.012	282.1	279.7	281.9	273.6
21	457.20	-15.00	0.00	51.294	12.996	0.012	282.2	279.7	282.0	272.2
22	457.20	-10.00	0.00	51.428	15.125	0.012	282.2	279.7	282.0	270.7
23	457.20	-5.00	0.00	51.503	16.543	0.011	282.2	279.8	282.0	269.7
24	457.20	0.00	0.00	51.427	16.921	0.012	282.3	279.7	282.0	269.5
25	457.20	5.00	0.00	51.494	15.793	0.012	282.3	279.8	282.1	270.3
26	457.20	10.00	0.00	51.427	13.792	0.012	282.3	279.8	282.1	271.7
27	457.20	15.00	0.00	51.483	11.640	0.012	282.3	279.8	282.0	273.1
28	457.20	20.00	0.00	51.469	9.587	0.012	282.3	279.8	282.0	274.6
29	457.20	25.00	0.00	51.376	8.121	0.012	282.3	279.8	282.0	275.7
30	457.20	30.00	0.00	51.191	7.135	0.012	282.3	279.7	282.1	276.5
31	457.20	35.00	0.00	51.249	6.411	0.012	282.3	279.8	282.1	277.1
32	457.20	40.00	0.00	51.151	5.728	0.012	282.3	279.7	282.1	277.6
33	457.20	45.00	0.00	51.175	5.595	0.013	282.4	279.7	282.0	277.6
34	457.20	50.00	0.00	51.299	5.015	0.013	282.3	279.7	282.1	278.1
35	457.20	55.00	0.00	51.442	4.507	0.013	282.4	279.7	282.1	278.5
36	457.20	60.00	0.00	51.369	3.669	0.012	282.4	279.7	282.1	279.2
37	457.20	65.00	0.00	51.457	3.354	0.013	282.3	279.7	282.1	279.4
38	457.20	70.00	0.00	51.545	2.768	0.013	282.3	279.7	282.1	279.9
39	457.20	75.00	0.00	51.388	2.005	0.012	282.3	279.7	282.1	280.5
40	457.20	80.00	0.00	51.278	1.444	0.013	282.2	279.7	282.1	280.9
41	457.20	85.00	0.00	51.336	0.921	0.013	282.2	279.7	282.1	281.4
42	457.20	90.00	0.00	51.260	0.735	0.014	282.2	279.7	282.0	281.4
43	457.20	95.00	0.00	51.161	0.502	0.013	282.2	279.7	282.0	281.6
44	457.20	100.00	0.00	51.126	0.351	0.013	282.3	279.7	282.0	281.7
45	457.20	105.00	0.00	51.081	0.150	0.015	282.2	279.7	282.0	281.9
46	457.20	110.00	0.00	51.182	0.111	0.016	282.2	279.7	282.0	281.9

File : TAB275T

19-JAN-89
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Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG V(C)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.408 kPa

Mean gauged plenum pressure : 51.433 kPa
RMS gauged plenum pressure : 0.163 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.307	0.091	0.018	285.9	280.2	285.8	285.7
3	457.20	-105.00	0.00	51.367	0.060	0.014	285.9	280.1	285.8	285.8
4	457.20	-100.00	0.00	51.295	0.054	0.014	285.9	280.1	285.8	285.8
5	457.20	-95.00	0.00	51.548	0.042	0.013	285.9	280.0	285.8	285.8
6	457.20	-90.00	0.00	51.429	0.029	0.015	285.9	280.1	285.8	285.8
7	457.20	-85.00	0.00	51.621	0.024	0.017	285.8	280.1	285.7	285.7
8	457.20	-80.00	0.00	51.683	0.014	0.015	285.8	280.1	285.8	285.8
9	457.20	-75.00	0.00	51.657	0.013	0.019	285.8	280.1	285.7	285.7
10	457.20	-70.00	0.00	51.470	0.017	0.016	285.8	280.1	285.7	285.7
11	457.20	-65.00	0.00	51.523	0.014	0.015	285.7	280.1	285.7	285.7
12	457.20	-60.00	0.00	51.373	0.070	0.020	285.7	280.1	285.7	285.6
13	457.20	-55.00	0.00	51.355	0.214	0.016	285.7	280.0	285.6	285.4
14	457.20	-50.00	0.00	51.312	0.485	0.018	285.7	280.0	285.6	285.2
15	457.20	-45.00	0.00	51.358	0.931	0.021	285.7	280.1	285.7	284.9

16	457.20	-40.00	0.00	51.319	1.510	0.018	285.8	280.1	285.7	284.5
17	457.20	-35.00	0.00	51.405	2.547	0.016	285.7	280.1	285.6	283.5
18	457.20	-30.00	0.00	51.625	3.990	0.020	285.7	280.1	285.6	282.4
19	457.20	-25.00	0.00	51.459	5.614	0.018	285.6	280.1	285.5	281.0
20	457.20	-20.00	0.00	51.537	8.071	0.022	285.7	280.1	285.5	279.1
21	457.20	-15.00	0.00	51.574	11.349	0.021	285.6	280.1	285.5	276.7
22	457.20	-10.00	0.00	51.553	14.661	0.019	285.6	280.1	285.4	274.3
23	457.20	-5.00	0.00	51.323	17.621	0.019	285.6	280.0	285.3	272.2
24	457.20	0.00	0.00	51.288	19.077	0.017	285.6	280.1	285.3	271.2
25	457.20	5.00	0.00	51.359	18.054	0.019	285.6	280.0	285.2	271.8
26	457.20	10.00	0.00	51.188	15.241	0.018	285.6	280.1	285.1	273.6
27	457.20	15.00	0.00	51.422	11.730	0.018	285.6	280.0	285.1	276.1
28	457.20	20.00	0.00	51.584	8.550	0.017	285.5	280.0	285.1	278.4
29	457.20	25.00	0.00	51.387	5.895	0.020	285.5	280.1	285.0	280.3
30	457.20	30.00	0.00	51.308	3.911	0.015	285.5	280.1	285.0	281.8
31	457.20	35.00	0.00	51.387	2.537	0.019	285.5	280.0	284.9	282.8
32	457.20	40.00	0.00	51.412	1.494	0.014	285.4	280.0	284.9	283.7
33	457.20	45.00	0.00	51.396	0.836	0.021	285.4	280.0	284.9	284.2
34	457.20	50.00	0.00	51.149	0.455	0.016	285.4	280.0	284.9	284.5
35	457.20	55.00	0.00	51.431	0.169	0.016	285.3	280.0	284.9	284.8
36	457.20	60.00	0.00	51.313	0.061	0.017	285.3	280.0	285.0	284.9
37	457.20	65.00	0.00	51.330	0.013	0.017	285.3	280.0	285.0	285.0
38	457.20	70.00	0.00	51.591	0.011	0.014	285.3	280.0	285.0	285.0
39	457.20	75.00	0.00	51.400	0.011	0.013	285.4	280.0	285.0	285.0
40	457.20	80.00	0.00	51.917	0.011	0.014	285.3	280.0	285.1	285.1
41	457.20	85.00	0.00	51.266	0.012	0.015	285.3	279.9	285.1	285.1
42	457.20	90.00	0.00	51.380	0.011	0.015	285.3	280.0	285.1	285.1
43	457.20	95.00	0.00	51.286	0.011	0.014	285.3	280.0	285.1	285.1
44	457.20	100.00	0.00	51.471	0.011	0.014	285.2	280.0	285.1	285.1
45	457.20	105.00	0.00	51.700	0.011	0.014	285.3	280.0	285.1	285.1
46	457.20	110.00	0.00	51.323	0.011	0.014	285.2	279.9	285.1	285.1

File : TAB276T 19-JAN-89
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Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, 0 DEG
CONFIG V(C)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 51.528 kPa
RMS gauged plenum pressure : 0.061 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.471	5.423	0.026	284.8	279.8	284.7	280.4
3	457.20	0.00	-58.00	51.503	5.967	0.025	284.8	279.8	284.7	279.9
4	457.20	0.00	-56.00	51.521	6.412	0.025	284.8	279.8	284.7	279.6
5	457.20	0.00	-54.00	51.540	6.832	0.023	284.8	279.8	284.7	279.3
6	457.20	0.00	-52.00	51.504	7.278	0.024	284.9	279.8	284.7	278.9
7	457.20	0.00	-50.00	51.457	7.737	0.023	284.9	279.8	284.7	278.6
8	457.20	0.00	-48.00	51.477	8.403	0.023	284.9	279.8	284.7	278.1
9	457.20	0.00	-46.00	51.461	8.882	0.018	285.0	279.8	284.7	277.7
10	457.20	0.00	-44.00	51.449	9.436	0.017	284.9	279.8	284.7	277.3
11	457.20	0.00	-42.00	51.492	9.823	0.019	284.9	279.7	284.7	277.0
12	457.20	0.00	-40.00	51.569	10.317	0.018	284.9	279.8	284.7	276.7
13	457.20	0.00	-38.00	51.605	11.067	0.017	284.9	279.8	284.7	276.1
14	457.20	0.00	-36.00	51.566	11.573	0.018	284.8	279.8	284.6	275.7
15	457.20	0.00	-34.00	51.596	12.197	0.019	284.7	279.8	284.6	275.2

16	457.20	0.00	-32.00	51.621	12.642	0.020	284.7	279.8	284.6	274.9
17	457.20	0.00	-30.00	51.651	13.084	0.017	284.7	279.8	284.5	274.5
18	457.20	0.00	-28.00	51.428	13.464	0.018	284.6	279.8	284.4	274.1
19	457.20	0.00	-26.00	51.484	14.359	0.015	284.6	279.8	284.4	273.5
20	457.20	0.00	-24.00	51.515	14.785	0.016	284.6	279.8	284.4	273.2
21	457.20	0.00	-22.00	51.543	15.436	0.017	284.6	279.8	284.4	272.8
22	457.20	0.00	-20.00	51.561	15.812	0.015	284.6	279.8	284.3	272.4
23	457.20	0.00	-18.00	51.586	16.593	0.017	284.5	279.7	284.3	271.9
24	457.20	0.00	-16.00	51.577	16.611	0.016	284.5	279.7	284.3	271.9
25	457.20	0.00	-14.00	51.561	17.286	0.018	284.6	279.7	284.4	271.5
26	457.20	0.00	-12.00	51.527	17.629	0.018	284.5	279.7	284.4	271.3
27	457.20	0.00	-10.00	51.561	18.264	0.017	284.6	279.7	284.4	270.9
28	457.20	0.00	-8.00	51.482	18.272	0.014	284.5	279.7	284.4	270.9
29	457.20	0.00	-6.00	51.457	18.696	0.013	284.5	279.7	284.4	270.6
30	457.20	0.00	-4.00	51.438	19.169	0.013	284.4	279.7	284.3	270.2
31	457.20	0.00	-2.00	51.428	18.932	0.016	284.4	279.7	284.2	270.2
32	457.20	0.00	0.00	51.441	19.058	0.013	284.3	279.7	284.1	270.1
33	457.20	0.00	2.00	51.532	19.217	0.013	284.3	279.7	284.1	269.9
34	457.20	0.00	4.00	51.565	19.123	0.014	284.4	279.7	284.1	270.0
35	457.20	0.00	6.00	51.577	19.046	0.013	284.4	279.7	284.0	270.0
36	457.20	0.00	8.00	51.571	18.802	0.013	284.4	279.7	283.9	270.0
37	457.20	0.00	10.00	51.583	18.631	0.013	284.4	279.7	283.9	270.1

File : TAB260T

13-JAN-89
13-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG V(C)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.815 kPa

Mean gauged plenum pressure : 51.488 kPa
RMS gauged plenum pressure : 0.132 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.551	0.191	0.094	278.3	278.5	278.8	278.6
3	457.20	-105.00	0.00	51.451	0.177	0.104	278.3	278.6	278.6	278.5
4	457.20	-100.00	0.00	51.326	0.187	0.112	278.3	278.7	278.6	278.4
5	457.20	-95.00	0.00	51.501	0.193	0.110	278.3	278.8	278.6	278.4
6	457.20	-90.00	0.00	51.479	0.190	0.116	278.4	278.9	278.5	278.3
7	457.20	-85.00	0.00	51.515	0.190	0.122	278.4	279.0	278.5	278.3
8	457.20	-80.00	0.00	51.863	0.175	0.125	278.3	279.1	278.3	278.2
9	457.20	-75.00	0.00	51.620	0.160	0.117	278.2	279.2	278.3	278.2
10	457.20	-70.00	0.00	51.519	0.172	0.126	278.2	279.2	278.3	278.2
11	457.20	-65.00	0.00	51.451	0.210	0.121	278.2	279.3	278.1	277.9
12	457.20	-60.00	0.00	51.421	0.328	0.121	278.2	279.3	278.1	277.8
13	457.20	-55.00	0.00	51.388	0.430	0.130	278.2	279.4	277.9	277.6
14	457.20	-50.00	0.00	51.414	0.780	0.133	278.2	279.4	277.8	277.2
15	457.20	-45.00	0.00	51.366	1.280	0.135	278.3	279.4	277.6	276.6

16	457.20	-40.00	0.00	51.372	2.045	0.133	278.4	279.4	277.6	276.0
17	457.20	-35.00	0.00	51.379	2.961	0.125	278.3	279.5	277.5	275.2
18	457.20	-30.00	0.00	51.633	4.618	0.127	278.3	279.5	277.4	273.8
19	457.20	-25.00	0.00	51.563	6.432	0.125	278.3	279.5	277.3	272.3
20	457.20	-20.00	0.00	51.651	9.270	0.126	278.2	279.6	278.4	271.3
21	457.20	-15.00	0.00	51.641	12.335	0.125	278.2	279.5	278.4	269.2
22	457.20	-10.00	0.00	51.618	15.823	0.121	278.3	279.6	278.4	266.8
23	457.20	-5.00	0.00	51.613	18.263	0.117	278.3	279.6	278.4	265.2
24	457.20	0.00	0.00	51.581	19.003	0.116	278.1	279.6	278.3	264.6
25	457.20	5.00	0.00	51.531	17.930	0.112	278.1	279.6	278.3	265.3
26	457.20	10.00	0.00	51.455	14.789	0.112	278.2	279.6	278.2	267.3
27	457.20	15.00	0.00	51.403	11.372	0.114	278.2	279.6	278.1	269.6
28	457.20	20.00	0.00	51.404	8.299	0.105	278.3	279.6	278.2	271.9
29	457.20	25.00	0.00	51.414	5.698	0.107	278.2	279.6	278.1	273.7
30	457.20	30.00	0.00	51.578	4.027	0.106	278.1	279.6	278.1	274.9
31	457.20	35.00	0.00	51.576	2.409	0.104	278.2	279.6	278.1	276.2
32	457.20	40.00	0.00	51.576	1.551	0.103	278.1	279.6	277.8	276.6
33	457.20	45.00	0.00	51.574	0.967	0.101	278.2	279.6	277.6	276.8
34	457.20	50.00	0.00	51.588	0.595	0.095	278.3	279.7	277.8	277.3
35	457.20	55.00	0.00	51.594	0.346	0.088	278.4	279.7	277.9	277.6
36	457.20	60.00	0.00	51.575	0.191	0.081	278.6	279.7	278.1	277.9
37	457.20	65.00	0.00	51.548	0.103	0.080	278.6	279.8	278.3	278.2
38	457.20	70.00	0.00	51.492	0.076	0.069	278.8	279.8	278.6	278.5
39	457.20	75.00	0.00	51.423	0.047	0.062	279.0	279.9	278.8	278.8
40	457.20	80.00	0.00	51.441	0.041	0.060	279.1	279.9	278.7	278.7
41	457.20	85.00	0.00	51.430	0.038	0.057	279.1	279.9	278.6	278.6
42	457.20	90.00	0.00	51.382	0.030	0.049	279.0	279.9	278.7	278.7
43	457.20	95.00	0.00	51.356	0.033	0.049	279.0	279.9	278.8	278.8
44	457.20	100.00	0.00	51.328	0.021	0.041	279.0	279.8	278.7	278.7
45	457.20	105.00	0.00	51.187	0.015	0.031	279.0	279.9	278.9	278.9
46	457.20	110.00	0.00	51.377	0.014	0.026	278.9	279.9	278.8	278.8

File : TAB274T 19-JAN-89
19-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
CONFIG V(C)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 51.359 kPa
RMS gauged plenum pressure : 0.260 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.170	0.044	0.012	286.0	280.4	285.4	285.4
3	457.20	-105.00	0.00	51.325	0.018	0.012	285.9	280.3	285.4	285.4
4	457.20	-100.00	0.00	51.142	0.014	0.012	285.8	280.3	285.4	285.4
5	457.20	-95.00	0.00	51.279	0.013	0.012	285.8	280.3	285.4	285.4
6	457.20	-90.00	0.00	51.407	0.013	0.012	285.8	280.3	285.4	285.4
7	457.20	-85.00	0.00	51.297	0.011	0.012	285.9	280.3	285.5	285.5
8	457.20	-80.00	0.00	51.421	0.011	0.012	285.8	280.3	285.5	285.5
9	457.20	-75.00	0.00	51.428	0.011	0.012	285.9	280.3	285.5	285.5
10	457.20	-70.00	0.00	51.262	0.011	0.012	285.8	280.3	285.5	285.5
11	457.20	-65.00	0.00	51.355	0.024	0.012	285.8	280.3	285.5	285.5
12	457.20	-60.00	0.00	51.397	0.088	0.013	285.8	280.3	285.6	285.5
13	457.20	-55.00	0.00	51.183	0.285	0.012	285.9	280.2	285.6	285.4
14	457.20	-50.00	0.00	51.156	0.637	0.012	285.9	280.2	285.6	285.1
15	457.20	-45.00	0.00	50.931	1.155	0.012	285.9	280.2	285.6	284.6

16	457.20	-40.00	0.00	51.549	1.857	0.012	285.9	280.3	285.6	284.1
17	457.20	-35.00	0.00	51.476	3.038	0.013	285.9	280.3	285.6	283.1
18	457.20	-30.00	0.00	51.366	4.526	0.012	285.9	280.3	285.6	281.9
19	457.20	-25.00	0.00	51.450	6.532	0.014	285.9	280.3	285.6	280.4
20	457.20	-20.00	0.00	51.281	9.114	0.013	285.9	280.3	285.6	278.5
21	457.20	-15.00	0.00	51.321	12.157	0.014	285.9	280.3	285.6	276.2
22	457.20	-10.00	0.00	51.490	15.522	0.014	285.9	280.3	285.6	273.9
23	457.20	-5.00	0.00	51.285	18.098	0.015	286.0	280.2	285.5	272.0
24	457.20	0.00	0.00	51.199	18.828	0.013	286.0	280.3	285.5	271.5
25	457.20	5.00	0.00	51.338	17.563	0.014	286.0	280.3	285.5	272.4
26	457.20	10.00	0.00	51.351	14.795	0.016	286.1	280.4	285.6	274.4
27	457.20	15.00	0.00	51.492	11.545	0.014	286.3	280.4	285.6	276.7
28	457.20	20.00	0.00	51.760	8.535	0.017	286.4	280.5	285.7	279.0
29	457.20	25.00	0.00	51.465	5.991	0.017	286.3	280.4	285.6	280.8
30	457.20	30.00	0.00	51.369	4.198	0.016	286.4	280.4	285.7	282.3
31	457.20	35.00	0.00	51.271	2.516	0.019	286.4	280.4	285.6	283.5
32	457.20	40.00	0.00	50.686	1.521	0.015	286.5	280.4	285.6	284.3
33	457.20	45.00	0.00	51.788	1.098	0.017	286.4	280.4	285.7	284.8
34	457.20	50.00	0.00	51.509	0.615	0.019	286.5	280.4	285.7	285.2
35	457.20	55.00	0.00	51.373	0.294	0.016	286.5	280.4	285.7	285.5
36	457.20	60.00	0.00	51.441	0.136	0.016	286.4	280.4	285.7	285.6
37	457.20	65.00	0.00	51.404	0.058	0.015	286.4	280.3	285.7	285.7
38	457.20	70.00	0.00	51.517	0.014	0.017	286.3	280.3	285.7	285.7
39	457.20	75.00	0.00	51.318	0.012	0.019	286.3	280.3	285.7	285.7
40	457.20	80.00	0.00	51.316	0.012	0.015	286.3	280.3	285.7	285.7
41	457.20	85.00	0.00	51.363	0.012	0.017	286.3	280.2	285.8	285.8
42	457.20	90.00	0.00	51.368	0.013	0.019	286.2	280.2	285.7	285.7
43	457.20	95.00	0.00	51.560	0.013	0.021	286.2	280.3	285.7	285.7
44	457.20	100.00	0.00	51.356	0.013	0.019	286.2	280.3	285.7	285.7
45	457.20	105.00	0.00	51.625	0.013	0.019	286.2	280.3	285.7	285.7
46	457.20	110.00	0.00	51.336	0.013	0.018	286.2	280.3	285.7	285.7

File : TAB365T 10-MAR-89
10-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
I-C

C1 : X/D = 9
C2 : HORIZONTAL
C3 : -10 MM
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.950 kPa

Mean gauged plenum pressure : 51.468 kPa
RMS gauged plenum pressure : 0.244 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	-10.00	51.563	0.308	0.164	281.2	282.1	280.5	280.3
3	457.20	-105.00	-10.00	51.989	0.535	0.324	281.2	282.2	280.5	280.1
4	457.20	-100.00	-10.00	51.988	0.868	0.514	281.3	282.2	280.3	279.6
5	457.20	-95.00	-10.00	51.034	1.417	0.835	281.3	282.2	280.5	279.4
6	457.20	-90.00	-10.00	51.054	2.117	1.237	281.4	282.1	280.4	278.7
7	457.20	-85.00	-10.00	51.572	2.871	1.682	281.4	282.2	280.2	277.9
8	457.20	-80.00	-10.00	51.462	4.067	2.333	281.5	282.2	280.3	277.1
9	457.20	-75.00	-10.00	51.260	5.177	3.089	281.6	282.2	280.6	276.5
10	457.20	-70.00	-10.00	51.300	6.591	3.893	281.7	282.2	280.6	275.5
11	457.20	-65.00	-10.00	51.623	8.133	4.788	281.6	282.2	280.5	274.2
12	457.20	-60.00	-10.00	51.619	9.745	5.671	281.7	282.2	280.7	273.3
13	457.20	-55.00	-10.00	51.633	11.248	6.472	281.7	282.2	281.0	272.5
14	457.20	-50.00	-10.00	51.337	12.412	7.218	281.6	282.2	281.1	271.7
15	457.20	-45.00	-10.00	51.079	13.115	7.550	281.7	282.2	281.3	271.5

16	457.20	-40.00	-10.00	51.585	12.987	7.576	281.7	282.2	281.2	271.4
17	457.20	-35.00	-10.00	51.612	12.193	7.111	281.7	282.2	281.0	271.8
18	457.20	-30.00	-10.00	51.508	10.633	6.231	281.7	282.2	280.6	272.5
19	457.20	-25.00	-10.00	50.986	8.850	5.150	281.6	282.2	280.2	273.4
20	457.20	-20.00	-10.00	51.445	7.424	4.322	281.6	282.1	280.0	274.3
21	457.20	-15.00	-10.00	51.574	6.237	3.614	281.6	282.2	280.0	275.1
22	457.20	-10.00	-10.00	51.489	5.301	3.066	281.6	282.2	279.8	275.7
23	457.20	-5.00	-10.00	51.617	4.760	2.757	281.6	282.1	279.8	276.1
24	457.20	0.00	-10.00	51.213	4.657	2.701	281.7	282.1	279.9	276.2
25	457.20	5.00	-10.00	51.382	4.713	2.758	281.9	282.1	280.2	276.5
26	457.20	10.00	-10.00	51.723	5.176	3.024	281.9	282.2	279.9	275.8
27	457.20	15.00	-10.00	51.504	6.025	3.498	281.9	282.2	279.9	275.2
28	457.20	20.00	-10.00	51.516	7.184	4.163	281.9	282.2	280.3	274.7
29	457.20	25.00	-10.00	51.345	8.396	4.867	282.0	282.2	280.5	274.0
30	457.20	30.00	-10.00	51.424	10.170	5.895	282.0	282.2	280.7	272.9
31	457.20	35.00	-10.00	51.167	11.088	6.448	282.0	282.2	281.2	272.8
32	457.20	40.00	-10.00	51.448	11.733	6.848	282.0	282.2	281.2	272.3
33	457.20	45.00	-10.00	51.572	11.671	6.744	282.0	282.2	281.4	272.6
34	457.20	50.00	-10.00	51.179	10.642	6.026	282.1	282.2	281.3	273.2
35	457.20	55.00	-10.00	51.568	9.227	5.361	282.2	282.2	281.2	274.1
36	457.20	60.00	-10.00	51.529	7.759	4.350	282.2	282.2	280.8	274.8
37	457.20	65.00	-10.00	51.616	6.299	3.683	282.2	282.2	280.8	275.9
38	457.20	70.00	-10.00	51.329	4.743	2.751	282.3	282.2	280.8	277.1
39	457.20	75.00	-10.00	51.419	3.726	2.301	282.3	282.2	280.3	277.4
40	457.20	80.00	-10.00	51.598	3.199	1.763	282.3	282.2	280.5	278.0
41	457.20	85.00	-10.00	51.646	2.053	1.151	282.3	282.2	280.5	278.9
42	457.20	90.00	-10.00	51.739	1.370	0.894	282.2	282.2	280.7	279.6
43	457.20	95.00	-10.00	51.332	0.933	0.528	282.2	282.2	280.9	280.1
44	457.20	100.00	-10.00	51.380	0.609	0.388	282.2	282.2	280.9	280.4
45	457.20	105.00	-10.00	51.563	0.426	0.209	282.1	282.1	280.9	280.6
46	457.20	110.00	-10.00	51.675	0.153	0.096	282.0	282.1	281.3	281.2

File : TAB364T 10-MAR-89
10-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
I-C

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.916 kPa

Mean gauged plenum pressure : 51.483 kPa
RMS gauged plenum pressure : 0.239 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.624	0.949	0.558	279.8	280.2	278.8	278.0
3	457.20	0.00	-58.00	51.663	1.036	0.619	279.8	280.5	278.8	278.0
4	457.20	0.00	-56.00	51.605	1.160	0.631	279.8	280.8	278.8	277.9
5	457.20	0.00	-54.00	50.883	1.301	0.759	279.8	280.9	278.9	277.9
6	457.20	0.00	-52.00	51.740	1.461	0.886	279.8	281.1	278.8	277.6
7	457.20	0.00	-50.00	51.550	1.659	0.926	279.8	281.3	278.9	277.6
8	457.20	0.00	-48.00	51.716	1.798	1.029	279.8	281.4	278.8	277.4
9	457.20	0.00	-46.00	51.275	1.955	1.101	279.8	281.5	278.8	277.2
10	457.20	0.00	-44.00	51.240	2.167	1.225	279.8	281.5	278.9	277.2
11	457.20	0.00	-42.00	51.610	2.301	1.331	279.8	281.6	278.7	276.9
12	457.20	0.00	-40.00	51.773	2.557	1.518	279.8	281.7	278.8	276.8
13	457.20	0.00	-38.00	51.509	2.766	1.551	279.9	281.7	278.9	276.7
14	457.20	0.00	-36.00	51.340	2.987	1.693	279.9	281.8	278.9	276.5
15	457.20	0.00	-34.00	51.666	3.230	1.872	280.0	281.9	278.9	276.3

16	457.20	0.00	-32.00	51.681	3.440	1.938	280.0	281.9	278.9	276.2
17	457.20	0.00	-30.00	51.663	3.529	2.087	280.1	281.9	278.8	276.0
18	457.20	0.00	-28.00	51.229	3.754	2.147	280.1	282.0	279.0	276.0
19	457.20	0.00	-26.00	51.360	3.800	2.221	280.1	282.0	278.9	275.9
20	457.20	0.00	-24.00	51.780	4.074	2.360	280.1	282.0	278.9	275.7
21	457.20	0.00	-22.00	51.527	4.223	2.405	280.1	282.0	278.9	275.6
22	457.20	0.00	-20.00	51.579	4.242	2.482	280.1	282.0	278.9	275.6
23	457.20	0.00	-18.00	51.052	4.446	2.563	280.1	282.0	278.8	275.3
24	457.20	0.00	-16.00	51.282	4.571	2.610	280.2	282.1	278.9	275.3
25	457.20	0.00	-14.00	51.632	4.625	2.663	280.2	282.0	278.9	275.3
26	457.20	0.00	-12.00	51.487	4.529	2.640	280.3	282.1	279.0	275.4
27	457.20	0.00	-10.00	51.654	4.577	2.659	280.3	282.1	278.9	275.3
28	457.20	0.00	-8.00	51.240	4.566	2.617	280.4	282.1	279.0	275.4
29	457.20	0.00	-6.00	51.253	4.557	2.634	280.5	282.1	279.1	275.5
30	457.20	0.00	-4.00	51.674	4.556	2.629	280.5	282.1	279.1	275.5
31	457.20	0.00	-2.00	51.536	4.352	2.503	280.6	282.1	279.1	275.7
32	457.20	0.00	0.00	51.177	4.253	2.465	280.6	282.1	279.1	275.8
33	457.20	0.00	2.00	51.695	4.177	2.419	280.6	282.1	279.2	275.9
34	457.20	0.00	4.00	51.371	4.066	2.328	280.6	282.1	279.2	276.0
35	457.20	0.00	6.00	51.540	3.864	2.265	280.7	282.1	279.1	276.1
36	457.20	0.00	8.00	51.637	3.734	2.175	280.7	282.1	279.3	276.4
37	457.20	0.00	10.00	51.548	3.622	2.071	280.7	282.1	279.0	276.1

CONFIGURATION	X/D_E	T_j/T_o	M_j	HORIZONTAL	VERTICAL	DIAGONAL -14°	DIAGONAL +14°
0 - 0 (BASELINE)	9	1	1.15	TAB185T	TAB203T	TAB209T	TAB221T
I - A	9	1	1.15	TAB187T	TAB204T	TAB210T	TAB223T
I - B	9	1	1.15	TAB196T	TAB195T	TAB213T	TAB226T
III - A	9	1	1.15	TAB189T	TAB205T	TAB215T	TAB224T
III - B	9	1	1.15	TAB198T	TAB197T	TAB214T	TAB227T
II - A	9	1	1.15	TAB191T	TAB206T	TAB220T	TAB228T
II - B	9	1	1.15	TAB200T	TAB199T	TAB219T	TAB231T
IV - A	9	1	1.15	TAB193T	TAB207T	TAB217T	TAB230T
IV - B	9	1	1.15	TAB202T	TAB201T	TAB218T	TAB232T
VI - A	9	1	1.15	TAB243T	TAB244T	TAB258T	TAB234T
VI - B	9	1	1.15	TAB251T	TAB250T	TAB263T	TAB236T
VII - A	9	1	1.15	TAB238T	TAB237T	TAB255T	TAB233T
VII - B	9	1	1.15	TAB247T	TAB246T	TAB262T	TAB235T
V - C	9	1	1.15	TAB278T	TAB277T	TAB259T	TAB266T

Figure 10 Mixing Modification Test Conditions and Run Numbers - M_j=1.15

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File : TAB185T

16-DEC-88
29-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, BASELINE

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.273 kPa

Mean gauged plenum pressure : 124.744 kPa
RMS gauged plenum pressure : 0.586 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	126.010	0.020	0.012	279.7	283.3	279.2	279.2
3	457.20	-105.00	0.00	126.208	0.012	0.012	279.8	283.3	278.7	278.7
4	457.20	-100.00	0.00	125.567	0.010	0.012	279.9	283.2	278.7	278.7
5	457.20	-95.00	0.00	124.592	0.189	0.012	280.0	283.2	278.6	278.4
6	457.20	-90.00	0.00	124.316	0.376	0.013	280.0	283.2	278.4	278.1
7	457.20	-85.00	0.00	124.556	0.718	0.013	279.9	283.2	278.2	277.6
8	457.20	-80.00	0.00	125.077	0.842	0.012	280.0	283.3	277.9	277.2
9	457.20	-75.00	0.00	125.456	1.167	0.013	279.9	283.2	277.7	276.8
10	457.20	-70.00	0.00	125.694	1.887	0.012	279.9	283.3	277.6	276.1
11	457.20	-65.00	0.00	125.566	2.932	0.012	279.8	283.3	277.2	274.9
12	457.20	-60.00	0.00	125.298	4.389	0.012	280.0	283.2	277.2	273.8
13	457.20	-55.00	0.00	125.134	6.654	0.012	280.1	283.3	276.9	271.8
14	457.20	-50.00	0.00	124.961	10.602	0.012	280.2	283.2	277.2	269.2
15	457.20	-45.00	0.00	124.970	15.297	0.016	280.0	283.3	276.6	265.4
16	457.20	-40.00	0.00	125.200	17.306	0.012	280.0	283.2	276.9	264.3

17	457.20	-35.00	0.00	125.429	20.827	0.012	280.1	283.2	277.2	262.4
18	457.20	-30.00	0.00	125.468	26.931	0.012	280.1	283.2	272.5	254.2
19	457.20	-25.00	0.00	125.167	33.578	0.012	280.2	283.2	0.0	0.0
20	457.20	-20.00	0.00	124.804	40.483	0.012	280.3	283.2	278.5	252.3
21	457.20	-15.00	0.00	124.341	45.455	0.013	280.4	283.2	282.1	253.0
22	457.20	-10.00	0.00	124.093	49.906	0.014	280.4	283.3	277.8	247.0
23	457.20	-5.00	0.00	124.212	52.449	0.012	280.6	283.3	280.1	247.8
24	457.20	0.00	0.00	124.348	53.001	0.013	280.5	283.3	272.7	241.0
25	457.20	5.00	0.00	124.629	51.597	0.013	280.6	283.3	89.7	79.5
26	457.20	10.00	0.00	124.814	48.145	0.013	280.7	283.3	284.9	254.2
27	457.20	15.00	0.00	124.665	43.285	0.013	280.5	283.3	289.7	260.9
28	457.20	20.00	0.00	124.389	37.496	0.012	280.6	283.3	260.6	237.5
29	457.20	25.00	0.00	124.151	31.688	0.013	280.5	283.3	90.6	83.6
30	457.20	30.00	0.00	123.580	25.611	0.012	280.6	283.3	269.8	252.5
31	457.20	35.00	0.00	123.805	20.609	0.012	280.5	283.3	277.2	262.5
32	457.20	40.00	0.00	124.243	16.855	0.012	280.5	283.3	276.1	263.9
33	457.20	45.00	0.00	124.946	11.681	0.013	280.4	283.3	277.0	268.2
34	457.20	50.00	0.00	124.840	9.090	0.013	280.4	283.3	277.4	270.5
35	457.20	55.00	0.00	124.726	6.875	0.014	280.5	283.3	277.9	272.6
36	457.20	60.00	0.00	124.414	4.989	0.013	280.9	283.4	278.4	274.5
37	457.20	65.00	0.00	124.233	3.937	0.018	280.8	283.4	278.4	275.3
38	457.20	70.00	0.00	124.079	2.494	0.017	280.8	283.3	278.5	276.5
39	457.20	75.00	0.00	124.225	1.519	0.014	280.9	283.3	278.3	277.1
40	457.20	80.00	0.00	124.661	0.965	0.016	280.9	283.3	278.8	278.0
41	457.20	85.00	0.00	124.840	0.440	0.016	280.9	283.3	279.1	278.7
42	457.20	90.00	0.00	124.717	0.296	0.015	281.1	283.3	279.6	279.4
43	457.20	95.00	0.00	124.650	0.072	0.025	281.1	283.3	279.7	279.6
44	457.20	100.00	0.00	124.281	0.013	0.023	280.9	283.2	279.6	279.6
45	457.20	105.00	0.00	124.146	0.019	0.019	281.0	283.3	279.6	279.6
46	457.20	110.00	0.00	123.951	0.010	0.014	281.1	283.2	280.5	280.5

File : TAB203T 19-DEC-88
1-DEC-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Baseline

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 125.712 kPa
RMS gauged plenum pressure : 0.514 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	125.099	0.092	0.013	285.5	283.2	0.0	0.0
3	457.20	0.00	-97.00	125.073	0.135	0.019	285.5	283.2	0.0	0.0
4	457.20	0.00	-94.00	125.078	0.161	0.018	285.5	283.2	0.0	0.0
5	457.20	0.00	-91.00	125.115	0.246	0.016	285.5	283.1	0.0	0.0
6	457.20	0.00	-88.00	125.136	0.342	0.017	285.1	283.1	0.0	0.0
7	457.20	0.00	-85.00	125.212	0.569	0.020	284.9	283.0	0.0	0.0
8	457.20	0.00	-82.00	125.215	0.771	0.021	284.5	283.0	0.0	0.0
9	457.20	0.00	-79.00	125.279	1.132	0.024	284.3	283.0	0.0	0.0
10	457.20	0.00	-76.00	125.358	1.478	0.016	284.2	283.0	0.0	0.0
11	457.20	0.00	-73.00	125.387	1.953	0.016	284.2	283.0	0.0	0.0
12	457.20	0.00	-70.00	125.341	2.487	0.017	284.3	283.1	0.0	0.0
13	457.20	0.00	-67.00	125.350	3.143	0.017	284.6	283.1	0.0	0.0
14	457.20	0.00	-64.00	125.284	4.028	0.021	284.7	283.1	0.0	0.0
15	457.20	0.00	-61.00	125.299	4.947	0.026	284.8	283.1	0.0	0.0

16	457.20	0.00	-58.00	125.182	6.009	0.027	284.6	283.0	0.0	0.0
17	457.20	0.00	-55.00	125.183	7.452	0.032	284.6	283.0	0.0	0.0
18	457.20	0.00	-52.00	125.203	8.508	0.027	284.4	283.0	0.0	0.0
19	457.20	0.00	-49.00	125.191	10.373	0.033	284.2	282.9	0.0	0.0
20	457.20	0.00	-46.00	125.212	11.993	0.038	284.0	283.0	0.0	0.0
21	457.20	0.00	-43.00	125.341	14.218	0.038	283.9	282.9	0.0	0.0
22	457.20	0.00	-40.00	125.348	16.630	0.036	284.0	283.0	0.0	0.0
23	457.20	0.00	-37.00	126.007	18.891	0.035	284.2	283.0	0.0	0.0
24	457.20	0.00	-34.00	126.309	21.491	0.035	284.1	283.0	0.0	0.0
25	457.20	0.00	-31.00	126.364	24.571	0.043	283.9	283.0	0.0	0.0
26	457.20	0.00	-28.00	126.317	27.638	0.041	284.0	283.0	0.0	0.0
27	457.20	0.00	-25.00	126.323	30.873	0.041	284.2	283.1	0.0	0.0
28	457.20	0.00	-22.00	126.318	34.735	0.038	284.6	283.1	0.0	0.0
29	457.20	0.00	-19.00	126.338	38.634	0.046	284.6	283.1	0.0	0.0
30	457.20	0.00	-16.00	126.266	42.262	0.046	284.8	283.1	0.0	0.0
31	457.20	0.00	-13.00	126.275	45.722	0.046	284.9	283.1	0.0	0.0
32	457.20	0.00	-10.00	126.154	48.681	0.046	284.8	283.0	0.0	0.0
33	457.20	0.00	-7.00	126.148	51.025	0.043	285.0	283.1	0.0	0.0
34	457.20	0.00	-4.00	126.130	52.718	0.039	285.2	283.2	0.0	0.0
35	457.20	0.00	-1.00	126.106	53.317	0.042	285.2	283.2	0.0	0.0
36	457.20	0.00	2.00	126.102	52.916	0.040	285.3	283.2	0.0	0.0
37	457.20	0.00	5.00	126.123	51.445	0.041	285.2	283.2	0.0	0.0
38	457.20	0.00	8.00	126.143	49.247	0.034	285.1	283.2	0.0	0.0
39	457.20	0.00	11.00	126.137	46.884	0.027	285.2	283.2	0.0	0.0
40	457.20	0.00	14.00	126.158	43.333	0.027	285.6	283.3	0.0	0.0
41	457.20	0.00	17.00	126.206	39.684	0.030	285.4	283.2	110.8	100.5
42	457.20	0.00	20.00	126.330	35.825	0.028	285.4	283.2	0.0	0.0

File : TAB209T

22-DEC-88
5-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
BASELINE

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 99.086 kPa

Mean gauged plenum pressure : 124.678 kPa
RMS gauged plenum pressure : 0.490 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.074	0.062	0.013	282.7	281.7	0.0	0.0
3	457.20	-105.00	0.00	124.651	0.023	0.014	282.8	281.7	0.0	0.0
4	457.20	-100.00	0.00	124.603	0.014	0.013	282.9	281.8	0.0	0.0
5	457.20	-95.00	0.00	124.634	0.078	0.016	282.9	281.7	0.0	0.0
6	457.20	-90.00	0.00	124.641	0.165	0.015	282.8	281.8	0.0	0.0
7	457.20	-85.00	0.00	124.604	0.436	0.015	283.0	281.7	0.0	0.0
8	457.20	-80.00	0.00	124.685	0.841	0.015	283.0	281.8	0.0	0.0
9	457.20	-75.00	0.00	124.759	1.307	0.014	283.0	281.8	0.0	0.0
10	457.20	-70.00	0.00	124.689	2.131	0.013	282.9	281.7	0.0	0.0
11	457.20	-65.00	0.00	124.586	3.500	0.013	283.0	281.8	0.0	0.0
12	457.20	-60.00	0.00	124.464	5.759	0.016	282.9	281.8	0.0	0.0
13	457.20	-55.00	0.00	124.428	7.913	0.013	283.0	281.8	0.0	0.0
14	457.20	-50.00	0.00	124.299	10.274	0.014	282.9	281.7	0.0	0.0
15	457.20	-45.00	0.00	124.209	13.524	0.015	282.9	281.7	0.0	0.0

16	457.20	-40.00	0.00	124.164	17.445	0.013	283.0	281.8	0.0	0.0
17	457.20	-35.00	0.00	123.910	21.942	0.015	282.8	281.8	0.0	0.0
18	457.20	-30.00	0.00	125.621	24.953	0.015	282.7	281.7	0.0	0.0
19	457.20	-25.00	0.00	125.554	30.922	0.013	283.0	281.8	0.0	0.0
20	457.20	-20.00	0.00	125.433	37.666	0.015	283.1	281.8	0.0	0.0
21	457.20	-15.00	0.00	125.376	43.464	0.015	283.3	281.8	0.0	0.0
22	457.20	-10.00	0.00	125.327	48.737	0.018	283.3	281.8	0.0	0.0
23	457.20	-5.00	0.00	125.305	52.279	0.022	283.3	281.8	0.0	0.0
24	457.20	0.00	0.00	125.334	53.309	0.018	283.4	281.8	0.0	0.0
25	457.20	5.00	0.00	125.189	51.501	0.013	283.5	281.8	0.0	0.0
26	457.20	10.00	0.00	124.926	47.560	0.020	283.4	281.9	0.0	0.0
27	457.20	15.00	0.00	124.891	41.807	0.021	283.3	281.8	0.0	0.0
28	457.20	20.00	0.00	124.957	35.954	0.020	283.2	281.8	0.0	0.0
29	457.20	25.00	0.00	125.012	29.314	0.016	283.4	281.9	0.0	0.0
30	457.20	30.00	0.00	125.016	22.833	0.018	283.5	281.8	0.0	0.0
31	457.20	35.00	0.00	124.887	18.021	0.020	283.4	281.9	0.0	0.0
32	457.20	40.00	0.00	124.784	13.976	0.016	283.6	281.9	0.0	0.0
33	457.20	45.00	0.00	124.756	9.856	0.017	283.7	281.8	0.0	0.0
34	457.20	50.00	0.00	124.794	7.254	0.023	283.5	281.9	0.0	0.0
35	457.20	55.00	0.00	124.759	5.015	0.023	283.6	281.8	0.0	0.0
36	457.20	60.00	0.00	124.694	3.323	0.020	283.8	281.9	0.0	0.0
37	457.20	65.00	0.00	124.618	2.332	0.019	283.9	281.9	0.0	0.0
38	457.20	70.00	0.00	124.529	1.508	0.020	284.0	281.9	0.0	0.0
39	457.20	75.00	0.00	124.293	1.036	0.025	284.0	281.9	0.0	0.0
40	457.20	80.00	0.00	124.128	0.733	0.024	284.2	281.8	0.0	0.0
41	457.20	85.00	0.00	124.018	0.252	0.029	284.2	281.9	0.0	0.0
42	457.20	90.00	0.00	124.089	0.194	0.030	284.1	281.9	0.0	0.0
43	457.20	95.00	0.00	124.124	0.042	0.030	284.0	281.9	0.0	0.0
44	457.20	100.00	0.00	124.087	0.014	0.030	284.0	281.9	0.0	0.0
45	457.20	105.00	0.00	124.103	0.009	0.030	284.1	281.9	0.0	0.0
46	457.20	110.00	0.00	124.103	0.010	0.027	284.2	281.9	0.0	0.0

File : TAB221T 8-DEC-88
8-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Baseline, +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 124.996 kPa
RMS gauged plenum pressure : 0.450 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.308	0.020	0.012	288.7	282.3	287.4	287.4
3	457.20	-105.00	0.00	125.294	0.011	0.012	288.9	282.3	287.6	287.6
4	457.20	-100.00	0.00	125.195	0.011	0.012	288.9	282.3	287.8	287.8
5	457.20	-95.00	0.00	125.249	0.009	0.012	288.7	282.3	287.7	287.7
6	457.20	-90.00	0.00	125.603	0.043	0.014	288.7	282.3	287.7	287.7
7	457.20	-85.00	0.00	125.861	0.304	0.012	288.7	282.3	287.7	287.4
8	457.20	-80.00	0.00	125.921	0.540	0.012	288.8	282.3	287.7	287.3
9	457.20	-75.00	0.00	125.678	1.031	0.012	288.9	282.3	287.8	286.9
10	457.20	-70.00	0.00	125.308	1.658	0.012	289.0	282.3	287.9	286.5
11	457.20	-65.00	0.00	125.231	2.605	0.012	289.0	282.3	287.9	285.8
12	457.20	-60.00	0.00	125.419	3.762	0.012	289.0	282.3	288.0	284.9
13	457.20	-55.00	0.00	125.806	5.663	0.012	289.0	282.3	288.0	283.4
14	457.20	-50.00	0.00	125.549	8.425	0.012	289.1	282.3	288.0	281.3
15	457.20	-45.00	0.00	125.092	11.504	0.012	289.2	282.3	288.0	279.0

16	457.20	-40.00	0.00	124.923	14.547	0.012	289.2	282.2	288.0	276.9
17	457.20	-35.00	0.00	124.804	19.376	0.012	289.1	282.3	288.0	273.6
18	457.20	-30.00	0.00	124.830	24.078	0.012	289.1	282.3	288.0	270.5
19	457.20	-25.00	0.00	124.719	30.492	0.012	289.3	282.2	288.0	266.6
20	457.20	-20.00	0.00	124.606	37.485	0.012	289.2	282.3	287.9	262.5
21	457.20	-15.00	0.00	124.381	43.533	0.012	289.2	282.3	287.9	259.3
22	457.20	-10.00	0.00	124.326	48.605	0.012	289.3	282.3	287.9	256.7
23	457.20	-5.00	0.00	124.564	51.542	0.012	289.4	282.3	287.9	255.2
24	457.20	0.00	0.00	124.665	52.592	0.012	289.4	282.3	287.9	254.7
25	457.20	5.00	0.00	124.640	51.725	0.012	289.4	282.3	287.9	255.1
26	457.20	10.00	0.00	124.241	48.669	0.012	289.4	282.3	288.0	256.7
27	457.20	15.00	0.00	124.009	44.722	0.012	289.3	282.3	288.0	258.7
28	457.20	20.00	0.00	123.822	39.268	0.012	289.4	282.2	288.1	261.7
29	457.20	25.00	0.00	124.461	31.972	0.012	289.5	282.3	288.2	265.9
30	457.20	30.00	0.00	124.855	25.342	0.012	289.5	282.3	288.1	269.8
31	457.20	35.00	0.00	124.918	20.050	0.012	289.6	282.3	288.1	273.2
32	457.20	40.00	0.00	124.887	14.367	0.012	290.4	282.3	288.3	277.3
33	457.20	45.00	0.00	124.951	11.477	0.012	290.8	282.2	288.4	279.5
34	457.20	50.00	0.00	125.151	8.562	0.012	291.0	282.3	288.4	281.6
35	457.20	55.00	0.00	125.147	6.301	0.012	290.9	282.3	288.4	283.3
36	457.20	60.00	0.00	125.110	4.057	0.012	291.1	282.3	288.4	285.1
37	457.20	65.00	0.00	124.959	2.678	0.012	291.0	282.3	288.5	286.3
38	457.20	70.00	0.00	124.941	1.768	0.013	290.3	282.3	288.5	287.0
39	457.20	75.00	0.00	125.014	1.158	0.012	290.0	282.3	288.5	287.5
40	457.20	80.00	0.00	125.053	0.655	0.012	289.7	282.3	288.5	288.0
41	457.20	85.00	0.00	125.073	0.209	0.012	289.9	282.3	288.5	288.3
42	457.20	90.00	0.00	124.916	0.051	0.012	289.9	282.3	288.6	288.6
43	457.20	95.00	0.00	124.910	0.012	0.012	289.8	282.3	288.6	288.6
44	457.20	100.00	0.00	125.023	0.010	0.012	289.8	282.3	288.6	288.6
45	457.20	105.00	0.00	125.056	0.009	0.013	289.8	282.3	288.6	288.6
46	457.20	110.00	0.00	125.048	0.009	0.012	289.9	282.3	288.5	288.5

File : TAB187T

17-DEC-88
29-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config I(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.781 kPa

Mean gauged plenum pressure : 126.198 kPa
RMS gauged plenum pressure : 1.211 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.197	0.244	0.012	285.5	283.8	283.9	283.7
3	457.20	-105.00	0.00	124.231	0.451	0.012	285.6	283.8	284.0	283.6
4	457.20	-100.00	0.00	124.475	0.743	0.012	285.7	283.9	283.6	283.0
5	457.20	-95.00	0.00	125.574	0.933	0.012	285.8	283.9	283.7	282.9
6	457.20	-90.00	0.00	126.589	1.579	0.013	285.6	283.9	283.0	281.7
7	457.20	-85.00	0.00	126.770	2.477	0.013	285.4	283.9	282.0	280.0
8	457.20	-80.00	0.00	125.888	3.758	0.012	285.5	283.9	282.5	279.5
9	457.20	-75.00	0.00	125.055	5.609	0.012	285.9	283.9	282.7	278.3
10	457.20	-70.00	0.00	125.778	7.375	0.012	286.0	283.9	282.5	276.7
11	457.20	-65.00	0.00	126.778	9.484	0.012	286.2	284.0	282.6	275.3
12	457.20	-60.00	0.00	127.728	11.925	0.013	286.0	284.0	281.7	272.7
13	457.20	-55.00	0.00	128.344	14.929	0.015	285.9	284.0	281.5	270.4
14	457.20	-50.00	0.00	127.804	18.744	0.013	286.0	283.9	281.2	267.6
15	457.20	-45.00	0.00	126.921	24.334	0.012	286.1	284.0	278.0	261.0

16	457.20	-40.00	0.00	126.444	29.104	0.012	286.2	284.0	281.6	261.5
17	457.20	-35.00	0.00	126.475	34.293	0.012	286.1	284.0	282.7	259.6
18	457.20	-30.00	0.00	126.874	38.362	0.012	285.8	283.9	281.6	256.3
19	457.20	-25.00	0.00	127.553	40.022	0.012	285.9	284.0	281.6	255.5
20	457.20	-20.00	0.00	128.018	39.643	0.012	286.0	283.9	284.1	257.9
21	457.20	-15.00	0.00	128.080	37.079	0.012	286.2	284.0	280.7	256.2
22	457.20	-10.00	0.00	127.481	34.950	0.013	286.1	283.9	287.8	263.9
23	457.20	-5.00	0.00	126.896	33.002	0.012	286.2	283.9	282.1	259.7
24	457.20	0.00	0.00	126.453	32.171	0.012	286.2	283.9	277.4	255.9
25	457.20	5.00	0.00	126.268	32.353	0.012	286.0	283.9	281.8	259.8
26	457.20	10.00	0.00	127.228	34.890	0.012	286.1	283.9	282.2	258.8
27	457.20	15.00	0.00	128.224	37.927	0.012	286.1	283.9	282.2	257.1
28	457.20	20.00	0.00	128.620	39.908	0.012	286.2	283.9	291.1	264.1
29	457.20	25.00	0.00	126.834	38.180	0.012	286.2	283.9	0.0	0.0
30	457.20	30.00	0.00	125.924	34.423	0.012	286.1	283.9	0.0	0.0
31	457.20	35.00	0.00	125.253	30.659	0.012	286.1	283.9	0.0	0.0
32	457.20	40.00	0.00	125.003	24.535	0.012	286.1	283.9	117.1	109.9
33	457.20	45.00	0.00	125.508	18.993	0.012	286.2	283.9	0.0	0.0
34	457.20	50.00	0.00	126.182	13.921	0.013	286.1	283.9	0.0	0.0
35	457.20	55.00	0.00	126.702	10.848	0.013	286.1	283.9	0.0	0.0
36	457.20	60.00	0.00	126.631	8.128	0.012	286.2	283.9	0.0	0.0
37	457.20	65.00	0.00	126.060	5.850	0.012	286.3	283.9	0.0	0.0
38	457.20	70.00	0.00	125.481	4.125	0.014	286.2	283.9	0.0	0.0
39	457.20	75.00	0.00	124.753	3.120	0.012	286.2	283.9	0.0	0.0
40	457.20	80.00	0.00	124.901	2.314	0.012	286.4	283.9	0.0	0.0
41	457.20	85.00	0.00	125.364	1.346	0.012	286.3	283.9	0.0	0.0
42	457.20	90.00	0.00	125.361	0.858	0.014	286.3	283.9	0.0	0.0
43	457.20	95.00	0.00	125.596	0.362	0.013	286.5	284.0	0.0	0.0
44	457.20	100.00	0.00	125.181	0.224	0.014	286.5	283.9	0.0	0.0
45	457.20	105.00	0.00	124.663	0.096	0.017	286.3	283.9	0.0	0.0
46	457.20	110.00	0.00	124.095	0.019	0.019	286.3	283.9	285.1	285.1

File : TAB204T 19-DEC-88
1-DEC-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config I(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 125.042 kPa
RMS gauged plenum pressure : 0.758 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	123.881	0.014	0.012	285.5	283.3	284.4	284.4
3	457.20	0.00	-97.00	125.126	0.012	0.012	285.5	283.3	284.4	284.4
4	457.20	0.00	-94.00	125.160	0.010	0.012	285.5	283.3	284.3	284.3
5	457.20	0.00	-91.00	124.950	0.011	0.012	285.5	283.3	284.6	284.6
6	457.20	0.00	-88.00	124.480	0.009	0.011	285.6	283.3	284.4	284.4
7	457.20	0.00	-85.00	124.436	0.010	0.011	285.7	283.3	284.0	284.0
8	457.20	0.00	-82.00	124.434	0.009	0.011	285.4	283.2	283.4	283.4
9	457.20	0.00	-79.00	123.833	0.010	0.011	285.2	283.2	283.5	283.5
10	457.20	0.00	-76.00	123.462	0.021	0.011	285.1	283.1	283.0	283.0
11	457.20	0.00	-73.00	124.112	0.216	0.011	284.9	283.1	282.2	282.0
12	457.20	0.00	-70.00	124.104	0.233	0.012	284.6	283.1	281.8	281.6
13	457.20	0.00	-67.00	124.671	0.630	0.011	284.3	283.0	281.4	280.9
14	457.20	0.00	-64.00	124.486	0.878	0.012	284.1	283.0	281.2	280.5
15	457.20	0.00	-61.00	124.405	1.203	0.012	284.0	283.0	280.8	279.8

16	457.20	0.00	-58.00	124.420	1.707	0.012	283.9	282.9	280.2	278.8
17	457.20	0.00	-55.00	124.398	2.384	0.012	283.7	282.9	280.0	278.1
18	457.20	0.00	-52.00	124.354	3.014	0.012	283.7	282.9	279.8	277.4
19	457.20	0.00	-49.00	124.332	3.651	0.014	283.5	282.9	279.3	276.4
20	457.20	0.00	-46.00	124.432	4.878	0.013	283.5	282.9	279.2	275.4
21	457.20	0.00	-43.00	124.899	6.200	0.015	283.5	283.0	278.7	273.9
22	457.20	0.00	-40.00	125.077	7.376	0.016	283.4	283.0	0.0	0.0
23	457.20	0.00	-37.00	125.369	9.024	0.013	283.5	283.0	0.0	0.0
24	457.20	0.00	-34.00	125.657	11.127	0.018	283.7	283.0	0.0	0.0
25	457.20	0.00	-31.00	125.388	12.775	0.026	283.6	283.0	0.0	0.0
26	457.20	0.00	-28.00	125.007	14.355	0.027	283.6	283.0	0.0	0.0
27	457.20	0.00	-25.00	125.029	17.472	0.028	284.0	283.1	0.0	0.0
28	457.20	0.00	-22.00	125.020	19.681	0.031	284.0	283.0	0.0	0.0
29	457.20	0.00	-19.00	125.157	21.470	0.028	284.3	283.1	0.0	0.0
30	457.20	0.00	-16.00	125.578	24.656	0.030	284.3	283.1	0.0	0.0
31	457.20	0.00	-13.00	125.757	27.005	0.034	284.3	283.1	0.0	0.0
32	457.20	0.00	-10.00	125.803	29.138	0.036	284.4	283.1	0.0	0.0
33	457.20	0.00	-7.00	125.935	30.702	0.036	284.5	283.1	0.0	0.0
34	457.20	0.00	-4.00	125.918	31.677	0.032	284.4	283.1	0.0	0.0
35	457.20	0.00	-1.00	125.965	32.402	0.033	284.4	283.1	0.0	0.0
36	457.20	0.00	2.00	126.016	31.337	0.027	284.5	283.1	0.0	0.0
37	457.20	0.00	5.00	126.060	30.939	0.028	284.4	283.2	0.0	0.0
38	457.20	0.00	8.00	126.718	29.583	0.023	284.6	283.2	0.0	0.0
39	457.20	0.00	11.00	125.752	27.327	0.024	284.5	283.1	0.0	0.0
40	457.20	0.00	14.00	125.742	25.444	0.023	284.6	283.2	0.0	0.0
41	457.20	0.00	17.00	125.754	23.236	0.019	284.8	283.2	191.7	180.4
42	457.20	0.00	20.00	125.679	20.843	0.019	284.7	283.2	0.0	0.0

File : TAB210T

28-MAR-89
5-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config I(a), -14 Degrees

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.849 kPa

Mean gauged plenum pressure : 126.106 kPa
RMS gauged plenum pressure : 0.868 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.673	0.053	0.013	286.8	282.4	0.0	0.0
3	457.20	-105.00	0.00	124.605	0.226	0.016	286.9	282.4	0.0	0.0
4	457.20	-100.00	0.00	125.131	0.433	0.016	286.9	282.4	0.0	0.0
5	457.20	-95.00	0.00	125.781	0.690	0.015	287.0	282.4	0.0	0.0
6	457.20	-90.00	0.00	124.939	1.084	0.016	287.0	282.4	0.0	0.0
7	457.20	-85.00	0.00	125.014	1.862	0.020	287.1	282.4	0.0	0.0
8	457.20	-80.00	0.00	125.574	2.668	0.017	286.9	282.4	0.0	0.0
9	457.20	-75.00	0.00	126.548	4.327	0.016	287.1	282.4	0.0	0.0
10	457.20	-70.00	0.00	125.247	5.514	0.020	287.0	282.4	0.0	0.0
11	457.20	-65.00	0.00	125.323	7.773	0.018	287.0	282.4	0.0	0.0
12	457.20	-60.00	0.00	125.322	9.784	0.021	287.1	282.4	0.0	0.0
13	457.20	-55.00	0.00	125.336	13.908	0.017	287.3	282.4	0.0	0.0
14	457.20	-50.00	0.00	125.343	16.090	0.017	287.2	282.4	0.0	0.0
15	457.20	-45.00	0.00	125.322	19.969	0.019	287.1	282.4	0.0	0.0

16	457.20	-40.00	0.00	125.308	25.213	0.023	286.8	282.4	0.0	0.0
17	457.20	-35.00	0.00	125.240	30.894	0.023	286.9	282.4	0.0	0.0
18	457.20	-30.00	0.00	125.270	35.403	0.015	287.0	282.4	0.0	0.0
19	457.20	-25.00	0.00	125.312	38.072	0.014	287.0	282.4	0.0	0.0
20	457.20	-20.00	0.00	125.340	39.578	0.013	287.1	282.4	0.0	0.0
21	457.20	-15.00	0.00	125.362	38.449	0.021	286.9	282.4	0.0	0.0
22	457.20	-10.00	0.00	125.704	36.485	0.017	286.9	282.4	0.0	0.0
23	457.20	-5.00	0.00	125.674	34.501	0.021	286.8	282.3	0.0	0.0
24	457.20	0.00	0.00	125.860	33.520	0.017	287.0	282.4	0.0	0.0
25	457.20	5.00	0.00	126.138	33.628	0.019	287.2	282.3	0.0	0.0
26	457.20	10.00	0.00	126.099	35.021	0.013	287.2	282.3	0.0	0.0
27	457.20	15.00	0.00	126.141	36.754	0.014	287.3	282.4	0.0	0.0
28	457.20	20.00	0.00	126.914	37.110	0.018	287.1	282.4	0.0	0.0
29	457.20	25.00	0.00	126.846	35.705	0.022	287.1	282.3	0.0	0.0
30	457.20	30.00	0.00	126.790	32.012	0.019	287.3	282.3	0.0	0.0
31	457.20	35.00	0.00	126.811	26.221	0.019	287.3	282.3	0.0	0.0
32	457.20	40.00	0.00	126.824	19.827	0.018	287.2	282.3	0.0	0.0
33	457.20	45.00	0.00	126.826	15.104	0.020	287.1	282.3	0.0	0.0
34	457.20	50.00	0.00	126.835	11.861	0.018	287.0	282.3	0.0	0.0
35	457.20	55.00	0.00	126.860	8.524	0.017	287.0	282.3	0.0	0.0
36	457.20	60.00	0.00	126.861	6.050	0.020	287.0	282.3	0.0	0.0
37	457.20	65.00	0.00	126.845	4.385	0.017	287.1	282.3	0.0	0.0
38	457.20	70.00	0.00	126.812	2.767	0.023	286.8	282.3	0.0	0.0
39	457.20	75.00	0.00	126.817	1.842	0.014	287.0	282.3	0.0	0.0
40	457.20	80.00	0.00	127.484	0.998	0.020	287.1	282.3	0.0	0.0
41	457.20	85.00	0.00	127.453	0.865	0.016	287.1	282.4	0.0	0.0
42	457.20	90.00	0.00	127.427	0.286	0.013	287.3	282.3	0.0	0.0
43	457.20	95.00	0.00	127.402	0.141	0.016	287.5	282.3	0.0	0.0
44	457.20	100.00	0.00	127.347	0.086	0.014	287.6	282.4	0.0	0.0
45	457.20	105.00	0.00	127.208	0.009	0.016	287.6	282.4	0.0	0.0
46	457.20	110.00	0.00	126.878	0.011	0.018	287.4	282.3	0.0	0.0

File : TAB223T 8-DEC-88
8-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config I(a), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.408 kPa

Mean gauged plenum pressure : 125.064 kPa
RMS gauged plenum pressure : 0.591 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.994	0.092	0.014	290.2	283.2	290.0	289.9
3	457.20	-105.00	0.00	124.970	0.118	0.013	290.2	283.2	289.9	289.8
4	457.20	-100.00	0.00	125.407	0.216	0.014	290.2	283.2	290.0	289.8
5	457.20	-95.00	0.00	125.925	0.533	0.015	290.3	283.2	289.9	289.5
6	457.20	-90.00	0.00	126.402	0.859	0.014	290.3	283.2	290.0	289.3
7	457.20	-85.00	0.00	126.709	1.568	0.016	290.3	283.2	290.0	288.7
8	457.20	-80.00	0.00	126.769	2.574	0.012	291.1	283.2	290.2	288.1
9	457.20	-75.00	0.00	124.535	3.604	0.015	291.5	283.2	290.3	287.3
10	457.20	-70.00	0.00	124.655	5.138	0.014	291.5	283.1	290.4	286.2
11	457.20	-65.00	0.00	124.543	6.749	0.017	291.1	283.1	290.4	284.9
12	457.20	-60.00	0.00	124.359	9.563	0.015	291.3	283.1	290.4	282.8
13	457.20	-55.00	0.00	124.117	12.648	0.016	291.6	283.1	290.5	280.6
14	457.20	-50.00	0.00	123.942	15.399	0.018	290.8	283.1	290.3	278.5
15	457.20	-45.00	0.00	124.390	19.417	0.013	290.4	283.1	290.2	275.6

16	457.20	-40.00	0.00	125.155	24.157	0.013	290.2	283.1	290.1	272.4
17	457.20	-35.00	0.00	125.113	29.349	0.012	290.1	283.1	290.0	269.1
18	457.20	-30.00	0.00	125.125	34.225	0.012	290.1	283.1	289.9	266.2
19	457.20	-25.00	0.00	125.230	37.275	0.012	290.0	283.0	289.8	264.3
20	457.20	-20.00	0.00	125.385	38.252	0.012	290.0	283.1	289.8	263.8
21	457.20	-15.00	0.00	125.571	37.557	0.012	290.0	283.0	289.7	264.1
22	457.20	-10.00	0.00	125.743	36.015	0.012	289.9	283.1	289.7	264.9
23	457.20	-5.00	0.00	125.053	34.608	0.012	289.9	283.0	289.6	265.7
24	457.20	0.00	0.00	125.231	33.404	0.012	289.9	283.0	289.6	266.4
25	457.20	5.00	0.00	125.184	33.300	0.012	289.8	283.0	289.5	266.3
26	457.20	10.00	0.00	125.033	34.656	0.012	289.9	283.1	289.5	265.5
27	457.20	15.00	0.00	124.874	36.813	0.012	289.8	283.1	289.5	264.3
28	457.20	20.00	0.00	124.773	37.850	0.012	289.8	283.0	289.4	263.6
29	457.20	25.00	0.00	124.646	37.440	0.012	289.8	283.0	289.4	263.9
30	457.20	30.00	0.00	124.583	35.648	0.012	289.8	283.0	289.5	265.0
31	457.20	35.00	0.00	124.643	31.982	0.013	289.8	283.0	289.4	267.0
32	457.20	40.00	0.00	124.760	27.210	0.012	289.9	283.0	289.5	270.0
33	457.20	45.00	0.00	124.900	22.288	0.013	289.9	283.0	289.5	273.1
34	457.20	50.00	0.00	125.020	16.983	0.013	290.0	283.0	289.5	276.6
35	457.20	55.00	0.00	125.040	13.745	0.015	289.9	283.0	289.5	278.9
36	457.20	60.00	0.00	125.031	10.534	0.014	289.9	283.0	289.5	281.2
37	457.20	65.00	0.00	124.913	7.876	0.017	290.0	283.1	289.6	283.3
38	457.20	70.00	0.00	124.821	5.646	0.013	290.0	283.0	289.6	285.0
39	457.20	75.00	0.00	124.724	4.345	0.014	289.9	283.0	289.6	286.0
40	457.20	80.00	0.00	124.721	3.113	0.014	289.9	283.0	289.6	287.0
41	457.20	85.00	0.00	124.751	1.740	0.014	289.8	283.0	289.5	288.1
42	457.20	90.00	0.00	124.741	1.200	0.013	289.8	283.0	289.5	288.5
43	457.20	95.00	0.00	124.851	0.837	0.012	289.8	283.0	289.5	288.8
44	457.20	100.00	0.00	124.933	0.376	0.013	289.8	283.0	289.5	289.2
45	457.20	105.00	0.00	124.979	0.127	0.013	289.8	283.0	289.5	289.4
46	457.20	110.00	0.00	125.550	0.031	0.013	289.8	283.0	289.5	289.5

File : TAB196T

18-DEC-88
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Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config I(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.205 kPa

Mean gauged plenum pressure : 124.775 kPa
RMS gauged plenum pressure : 0.496 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.315	0.531	0.010	284.9	283.9	283.6	283.2
3	457.20	-105.00	0.00	124.796	0.803	0.011	284.8	283.9	283.3	282.6
4	457.20	-100.00	0.00	124.043	1.455	0.011	284.6	283.8	283.1	281.9
5	457.20	-95.00	0.00	124.317	2.151	0.010	284.7	283.8	283.0	281.3
6	457.20	-90.00	0.00	124.635	2.991	0.011	284.8	283.9	283.4	281.0
7	457.20	-85.00	0.00	124.941	4.135	0.010	284.7	283.8	281.9	278.6
8	457.20	-80.00	0.00	125.256	5.859	0.010	284.6	283.8	282.2	277.6
9	457.20	-75.00	0.00	124.942	7.810	0.010	284.8	283.8	282.1	276.0
10	457.20	-70.00	0.00	124.542	10.313	0.010	284.8	283.8	281.7	273.8
11	457.20	-65.00	0.00	125.012	12.936	0.010	284.9	283.8	282.2	272.4
12	457.20	-60.00	0.00	125.199	16.566	0.010	284.8	283.7	283.6	271.2
13	457.20	-55.00	0.00	124.923	20.057	0.010	284.8	283.7	284.2	269.5
14	457.20	-50.00	0.00	124.803	24.875	0.010	284.8	283.8	93.3	87.5
15	457.20	-45.00	0.00	124.883	29.680	0.010	284.9	283.7	0.0	0.0

16	457.20	-40.00	0.00	124.888	36.090	0.010	284.9	283.7	0.0	0.0
17	457.20	-35.00	0.00	124.956	41.071	0.010	284.9	283.7	0.0	0.0
18	457.20	-30.00	0.00	125.007	43.759	0.010	284.9	283.7	0.0	0.0
19	457.20	-25.00	0.00	125.056	42.993	0.010	284.9	283.7	0.0	0.0
20	457.20	-20.00	0.00	125.076	39.039	0.011	285.0	283.7	0.0	0.0
21	457.20	-15.00	0.00	125.095	33.838	0.010	284.8	283.7	0.0	0.0
22	457.20	-10.00	0.00	125.144	29.314	0.010	284.9	283.8	0.0	0.0
23	457.20	-5.00	0.00	125.085	26.225	0.010	284.9	283.7	0.0	0.0
24	457.20	0.00	0.00	125.078	25.479	0.010	285.2	283.7	0.0	0.0
25	457.20	5.00	0.00	125.093	27.236	0.010	285.2	283.8	0.0	0.0
26	457.20	10.00	0.00	125.114	30.733	0.010	285.1	283.7	0.0	0.0
27	457.20	15.00	0.00	125.084	35.682	0.011	284.9	283.7	0.0	0.0
28	457.20	20.00	0.00	125.111	40.956	0.011	284.7	283.6	0.0	0.0
29	457.20	25.00	0.00	125.130	42.381	0.010	284.5	283.7	0.0	0.0
30	457.20	30.00	0.00	125.132	41.415	0.011	284.4	283.6	0.0	0.0
31	457.20	35.00	0.00	125.117	36.862	0.010	284.4	283.7	0.0	0.0
32	457.20	40.00	0.00	125.192	30.543	0.010	284.4	283.6	0.0	0.0
33	457.20	45.00	0.00	125.233	24.547	0.011	284.4	283.6	0.0	0.0
34	457.20	50.00	0.00	124.517	18.789	0.010	284.4	283.7	0.0	0.0
35	457.20	55.00	0.00	124.389	14.049	0.011	284.4	283.7	0.0	0.0
36	457.20	60.00	0.00	124.448	10.785	0.011	284.5	283.6	0.0	0.0
37	457.20	65.00	0.00	124.442	8.448	0.011	284.6	283.7	0.0	0.0
38	457.20	70.00	0.00	124.466	6.481	0.011	284.4	283.7	0.0	0.0
39	457.20	75.00	0.00	124.419	4.740	0.011	284.3	283.6	0.0	0.0
40	457.20	80.00	0.00	124.209	3.673	0.011	284.3	283.6	0.0	0.0
41	457.20	85.00	0.00	124.014	2.537	0.012	284.3	283.7	0.0	0.0
42	457.20	90.00	0.00	123.892	1.853	0.011	284.3	283.7	0.0	0.0
43	457.20	95.00	0.00	123.864	0.988	0.012	284.3	283.7	0.0	0.0
44	457.20	100.00	0.00	123.951	0.539	0.012	284.2	283.6	0.0	0.0
45	457.20	105.00	0.00	124.047	0.365	0.012	284.2	283.7	0.0	0.0
46	457.20	110.00	0.00	124.130	0.151	0.013	284.2	283.7	0.0	0.0

File : TAB195T 18-DEC-88
30-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config I(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.273 kPa

Mean gauged plenum pressure : 124.923 kPa
RMS gauged plenum pressure : 0.415 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	124.535	0.081	0.012	283.5	283.3	0.0	0.0
3	457.20	0.00	-97.00	124.676	0.039	0.012	283.5	283.4	0.0	0.0
4	457.20	0.00	-94.00	124.740	0.027	0.012	283.6	283.4	0.0	0.0
5	457.20	0.00	-91.00	124.900	0.016	0.012	283.5	283.4	0.0	0.0
6	457.20	0.00	-88.00	124.983	0.013	0.012	283.5	283.4	0.0	0.0
7	457.20	0.00	-85.00	125.096	0.012	0.012	283.5	283.4	0.0	0.0
8	457.20	0.00	-82.00	125.055	0.010	0.012	283.5	283.5	0.0	0.0
9	457.20	0.00	-79.00	125.057	0.010	0.013	283.5	283.5	0.0	0.0
10	457.20	0.00	-76.00	125.209	0.011	0.013	283.5	283.5	0.0	0.0
11	457.20	0.00	-73.00	125.324	0.021	0.012	283.5	283.5	0.0	0.0
12	457.20	0.00	-70.00	125.221	0.181	0.013	283.5	283.5	0.0	0.0
13	457.20	0.00	-67.00	125.215	0.268	0.014	283.5	283.5	0.0	0.0
14	457.20	0.00	-64.00	125.274	0.325	0.014	283.5	283.5	0.0	0.0
15	457.20	0.00	-61.00	125.439	0.733	0.013	283.5	283.5	0.0	0.0

16	457.20	0.00	-58.00	125.659	0.961	0.014	283.5	283.5	0.0	0.0
17	457.20	0.00	-55.00	124.595	1.396	0.014	283.5	283.5	0.0	0.0
18	457.20	0.00	-52.00	125.286	1.737	0.013	283.6	283.5	0.0	0.0
19	457.20	0.00	-49.00	125.246	2.372	0.017	283.5	283.5	0.0	0.0
20	457.20	0.00	-46.00	125.031	3.303	0.016	283.5	283.5	0.0	0.0
21	457.20	0.00	-43.00	125.064	4.029	0.014	283.5	283.5	0.0	0.0
22	457.20	0.00	-40.00	124.944	5.354	0.016	283.6	283.5	0.0	0.0
23	457.20	0.00	-37.00	124.910	6.600	0.016	283.5	283.5	0.0	0.0
24	457.20	0.00	-34.00	125.206	8.176	0.016	283.6	283.5	0.0	0.0
25	457.20	0.00	-31.00	125.488	9.647	0.015	283.6	283.5	0.0	0.0
26	457.20	0.00	-28.00	125.499	11.430	0.017	283.6	283.5	0.0	0.0
27	457.20	0.00	-25.00	125.338	13.546	0.019	283.5	283.5	0.0	0.0
28	457.20	0.00	-22.00	125.134	15.571	0.016	283.6	283.5	0.0	0.0
29	457.20	0.00	-19.00	124.909	17.649	0.018	283.6	283.5	0.0	0.0
30	457.20	0.00	-16.00	124.789	19.667	0.015	283.6	283.4	0.0	0.0
31	457.20	0.00	-13.00	124.984	21.653	0.016	283.6	283.4	0.0	0.0
32	457.20	0.00	-10.00	125.196	23.612	0.015	283.6	283.5	0.0	0.0
33	457.20	0.00	-7.00	124.554	25.067	0.016	283.6	283.4	0.0	0.0
34	457.20	0.00	-4.00	124.710	25.473	0.017	283.6	283.4	0.0	0.0
35	457.20	0.00	-1.00	124.729	25.840	0.017	283.5	283.4	0.0	0.0
36	457.20	0.00	2.00	124.550	25.938	0.017	283.6	283.4	0.0	0.0
37	457.20	0.00	5.00	124.338	24.984	0.018	283.6	283.4	0.0	0.0
38	457.20	0.00	8.00	124.112	23.491	0.016	283.6	283.4	0.0	0.0
39	457.20	0.00	11.00	124.207	22.083	0.017	283.6	283.4	0.0	0.0
40	457.20	0.00	14.00	124.391	20.313	0.013	283.6	283.5	0.0	0.0
41	457.20	0.00	17.00	124.580	17.957	0.015	283.7	283.5	0.0	0.0
42	457.20	0.00	20.00	124.700	15.778	0.017	283.7	283.5	0.0	0.0

File : TAB213T 6-DEC-88
6-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB,PLTDMN

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.815 kPa

Mean gauged plenum pressure : 124.937 kPa
RMS gauged plenum pressure : 0.772 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.167	0.338	0.012	284.4	281.3	282.8	282.5
3	457.20	-105.00	0.00	125.109	0.423	0.012	284.4	281.5	282.8	282.5
4	457.20	-100.00	0.00	125.109	0.678	0.012	284.5	281.5	282.7	282.1
5	457.20	-95.00	0.00	125.020	1.233	0.012	284.4	281.7	282.2	281.2
6	457.20	-90.00	0.00	124.208	1.983	0.011	284.5	281.7	281.7	280.1
7	457.20	-85.00	0.00	123.420	2.791	0.012	284.4	281.8	281.5	279.3
8	457.20	-80.00	0.00	123.483	4.125	0.011	284.6	281.8	281.0	277.7
9	457.20	-75.00	0.00	123.567	6.116	0.011	284.6	281.9	281.0	276.2
10	457.20	-70.00	0.00	123.575	8.030	0.011	284.7	281.9	280.3	274.1
11	457.20	-65.00	0.00	123.689	10.482	0.011	284.7	281.9	279.8	271.8
12	457.20	-60.00	0.00	123.737	12.654	0.011	284.7	281.9	279.4	269.9
13	457.20	-55.00	0.00	123.779	15.894	0.011	284.6	281.9	278.7	267.0
14	457.20	-50.00	0.00	123.805	19.490	0.011	284.4	282.0	278.4	264.4
15	457.20	-45.00	0.00	123.787	24.479	0.011	284.4	281.9	278.4	261.3
16	457.20	-40.00	0.00	123.747	30.615	0.011	284.6	282.0	278.2	257.5

17	457.20	-35.00	0.00	124.916	36.192	0.012	284.6	282.0	278.5	254.7
18	457.20	-30.00	0.00	125.457	39.473	0.012	284.6	282.0	279.1	253.5
19	457.20	-25.00	0.00	125.559	40.565	0.012	284.6	282.0	279.1	252.9
20	457.20	-20.00	0.00	125.533	38.002	0.012	284.8	282.0	278.4	253.6
21	457.20	-15.00	0.00	125.520	34.205	0.012	285.0	282.1	277.7	255.0
22	457.20	-10.00	0.00	125.532	30.006	0.012	284.9	282.0	277.1	256.8
23	457.20	-5.00	0.00	125.583	27.221	0.013	284.9	282.0	276.9	258.3
24	457.20	0.00	0.00	125.585	26.691	0.012	284.9	282.1	276.7	258.4
25	457.20	5.00	0.00	125.617	27.633	0.013	284.9	282.0	277.0	258.1
26	457.20	10.00	0.00	125.651	30.852	0.012	285.0	282.1	277.4	256.6
27	457.20	15.00	0.00	125.655	35.874	0.013	285.1	282.0	278.2	254.6
28	457.20	20.00	0.00	125.613	39.447	0.013	285.3	282.1	279.3	253.7
29	457.20	25.00	0.00	125.567	40.564	0.012	285.4	282.0	279.7	253.5
30	457.20	30.00	0.00	125.548	38.298	0.013	285.5	282.1	279.5	254.5
31	457.20	35.00	0.00	125.549	32.491	0.013	285.6	282.1	279.3	257.5
32	457.20	40.00	0.00	125.562	25.882	0.014	285.5	282.1	278.7	260.7
33	457.20	45.00	0.00	125.557	19.592	0.013	285.5	282.1	278.9	264.8
34	457.20	50.00	0.00	125.555	13.357	0.013	285.6	282.1	279.3	269.3
35	457.20	55.00	0.00	125.550	10.671	0.015	285.6	282.1	279.6	271.5
36	457.20	60.00	0.00	125.562	7.504	0.015	285.5	282.1	280.0	274.2
37	457.20	65.00	0.00	125.560	5.208	0.013	285.5	282.1	280.9	276.8
38	457.20	70.00	0.00	125.493	4.142	0.013	285.6	282.1	281.0	277.7
39	457.20	75.00	0.00	125.456	2.850	0.014	285.7	282.1	281.8	279.5
40	457.20	80.00	0.00	125.249	2.069	0.014	285.8	282.1	282.4	280.7
41	457.20	85.00	0.00	125.033	1.517	0.015	285.9	282.1	282.8	281.6
42	457.20	90.00	0.00	125.031	1.018	0.017	286.1	282.1	282.8	282.0
43	457.20	95.00	0.00	124.759	0.647	0.022	285.9	282.1	283.2	282.7
44	457.20	100.00	0.00	124.701	0.407	0.024	285.9	282.1	283.4	283.1
45	457.20	105.00	0.00	124.691	0.215	0.021	285.8	282.1	283.8	283.6
46	457.20	110.00	0.00	124.435	0.066	0.021	286.0	282.1	284.4	284.3

File : TAB226T 15-DEC-88
15-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config I(b), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 125.468 kPa
RMS gauged plenum pressure : 1.069 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.912	0.324	0.051	280.7	283.3	280.6	280.3
3	457.20	-105.00	0.00	126.007	0.494	0.054	280.7	283.4	280.7	280.3
4	457.20	-100.00	0.00	126.061	0.833	0.051	280.8	283.5	280.8	280.1
5	457.20	-95.00	0.00	126.214	1.300	0.055	280.8	283.6	280.8	279.7
6	457.20	-90.00	0.00	126.313	1.949	0.057	280.9	283.6	280.9	279.3
7	457.20	-85.00	0.00	126.389	2.905	0.063	280.9	283.7	280.9	278.6
8	457.20	-80.00	0.00	126.521	4.080	0.070	280.9	283.7	280.9	277.7
9	457.20	-75.00	0.00	126.547	5.612	0.069	281.0	283.8	280.9	276.5
10	457.20	-70.00	0.00	126.588	7.206	0.072	281.0	283.8	281.0	275.4
11	457.20	-65.00	0.00	126.548	9.663	0.074	281.0	283.8	281.0	273.6
12	457.20	-60.00	0.00	126.529	11.911	0.075	281.1	283.9	281.1	272.1
13	457.20	-55.00	0.00	126.412	15.817	0.077	281.1	283.9	281.1	269.4
14	457.20	-50.00	0.00	126.342	20.109	0.080	281.1	283.9	281.0	266.4
15	457.20	-45.00	0.00	126.376	25.244	0.079	281.3	284.0	281.1	263.3

16	457.20	-40.00	0.00	126.235	31.695	0.081	281.3	284.0	280.8	259.2
17	457.20	-35.00	0.00	126.126	37.047	0.079	281.3	283.9	281.1	256.5
18	457.20	-30.00	0.00	126.101	40.352	0.079	281.4	284.0	281.0	254.7
19	457.20	-25.00	0.00	126.111	41.555	0.081	281.4	284.0	281.2	254.2
20	457.20	-20.00	0.00	126.158	38.513	0.084	281.5	284.0	281.2	255.8
21	457.20	-15.00	0.00	126.244	34.404	0.075	281.6	284.0	280.9	257.8
22	457.20	-10.00	0.00	126.239	29.804	0.078	281.7	284.0	280.7	260.2
23	457.20	-5.00	0.00	126.188	27.185	0.079	281.7	284.0	280.8	261.9
24	457.20	0.00	0.00	126.032	25.847	0.080	281.7	284.0	280.8	262.7
25	457.20	5.00	0.00	125.849	26.426	0.077	281.9	284.0	280.7	262.2
26	457.20	10.00	0.00	125.720	29.211	0.073	281.9	284.0	280.7	260.6
27	457.20	15.00	0.00	125.574	32.901	0.076	282.0	284.0	280.9	258.6
28	457.20	20.00	0.00	125.392	37.202	0.072	282.0	284.0	281.1	256.4
29	457.20	25.00	0.00	125.162	39.970	0.077	282.0	284.0	281.6	255.4
30	457.20	30.00	0.00	124.918	39.642	0.071	282.1	284.0	281.7	255.7
31	457.20	35.00	0.00	124.579	36.492	0.068	282.1	284.0	281.8	257.5
32	457.20	40.00	0.00	124.097	31.261	0.066	282.1	284.0	281.8	260.4
33	457.20	45.00	0.00	123.717	25.970	0.062	282.1	283.9	281.5	263.2
34	457.20	50.00	0.00	123.734	20.933	0.063	282.3	284.0	281.7	266.6
35	457.20	55.00	0.00	124.660	16.783	0.061	282.3	284.0	282.0	269.6
36	457.20	60.00	0.00	124.494	13.672	0.054	282.4	284.0	282.0	271.7
37	457.20	65.00	0.00	124.242	10.287	0.056	282.4	284.0	282.1	274.2
38	457.20	70.00	0.00	123.593	7.538	0.047	282.5	284.0	282.1	276.2
39	457.20	75.00	0.00	125.387	6.164	0.049	282.6	284.0	282.2	277.3
40	457.20	80.00	0.00	125.102	4.867	0.043	282.6	284.0	282.2	278.3
41	457.20	85.00	0.00	124.905	3.389	0.042	282.6	284.0	282.3	279.6
42	457.20	90.00	0.00	124.828	2.377	0.041	282.7	284.0	282.3	280.4
43	457.20	95.00	0.00	123.973	1.403	0.035	282.8	284.0	282.4	281.3
44	457.20	100.00	0.00	124.052	0.843	0.032	282.8	284.0	282.4	281.7
45	457.20	105.00	0.00	124.210	0.491	0.027	282.8	284.0	282.4	282.0
46	457.20	110.00	0.00	124.417	0.322	0.026	282.8	283.9	282.5	282.2

File : TAB189T

17-DEC-88
29-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config III(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 124.751 kPa
RMS gauged plenum pressure : 1.407 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	126.620	0.029	0.016	287.4	284.0	285.9	285.9
3	457.20	-105.00	0.00	126.650	0.084	0.021	287.4	284.0	285.8	285.7
4	457.20	-100.00	0.00	126.322	0.192	0.020	287.2	284.0	284.9	284.7
5	457.20	-95.00	0.00	125.776	0.442	0.020	287.4	284.0	285.3	284.9
6	457.20	-90.00	0.00	125.500	0.957	0.019	287.4	284.0	284.9	284.1
7	457.20	-85.00	0.00	125.337	1.527	0.017	287.4	284.0	284.7	283.5
8	457.20	-80.00	0.00	125.530	2.290	0.015	287.6	284.0	284.2	282.3
9	457.20	-75.00	0.00	125.913	3.515	0.016	287.5	284.0	283.7	280.9
10	457.20	-70.00	0.00	126.196	4.804	0.018	287.4	284.0	283.3	279.5
11	457.20	-65.00	0.00	126.339	7.082	0.018	287.4	284.0	283.0	277.4
12	457.20	-60.00	0.00	126.229	9.167	0.016	287.3	284.0	282.5	275.4
13	457.20	-55.00	0.00	125.868	12.520	0.015	287.4	284.0	282.4	272.9
14	457.20	-50.00	0.00	125.560	16.235	0.013	287.4	284.0	286.0	273.8
15	457.20	-45.00	0.00	125.258	20.363	0.016	287.4	284.0	281.8	267.1

16	457.20	-40.00	0.00	125.234	25.096	0.014	287.5	284.0	188.3	176.4
17	457.20	-35.00	0.00	125.493	30.025	0.015	287.6	284.0	278.9	258.5
18	457.20	-30.00	0.00	125.849	34.216	0.013	287.7	284.1	93.1	85.5
19	457.20	-25.00	0.00	126.078	37.268	0.016	287.4	284.0	195.3	178.1
20	457.20	-20.00	0.00	126.145	39.298	0.013	287.3	284.0	0.0	0.0
21	457.20	-15.00	0.00	125.849	40.312	0.015	287.2	284.0	0.0	0.0
22	457.20	-10.00	0.00	125.403	39.922	0.016	287.1	284.0	0.0	0.0
23	457.20	-5.00	0.00	125.216	39.439	0.014	287.3	284.0	186.8	169.6
24	457.20	0.00	0.00	125.320	39.844	0.012	287.5	284.1	104.2	94.5
25	457.20	5.00	0.00	125.618	40.578	0.013	287.4	284.0	0.0	0.0
26	457.20	10.00	0.00	125.409	41.221	0.012	287.4	284.1	0.0	0.0
27	457.20	15.00	0.00	125.561	41.469	0.013	287.5	284.1	0.0	0.0
28	457.20	20.00	0.00	125.458	39.935	0.014	287.7	284.1	0.0	0.0
29	457.20	25.00	0.00	124.848	36.429	0.013	287.6	284.0	0.0	0.0
30	457.20	30.00	0.00	124.391	32.374	0.014	287.5	284.1	0.0	0.0
31	457.20	35.00	0.00	123.852	28.710	0.013	287.5	284.0	0.0	0.0
32	457.20	40.00	0.00	123.661	24.967	0.014	287.5	284.0	0.0	0.0
33	457.20	45.00	0.00	123.763	17.658	0.017	287.3	284.1	0.0	0.0
34	457.20	50.00	0.00	124.129	14.215	0.014	287.5	284.1	0.0	0.0
35	457.20	55.00	0.00	124.364	9.787	0.013	287.4	284.0	0.0	0.0
36	457.20	60.00	0.00	124.100	8.636	0.013	287.6	284.1	0.0	0.0
37	457.20	65.00	0.00	123.381	5.758	0.016	287.6	284.1	0.0	0.0
38	457.20	70.00	0.00	122.541	4.471	0.014	287.5	284.0	0.0	0.0
39	457.20	75.00	0.00	122.129	2.897	0.014	287.5	284.0	0.0	0.0
40	457.20	80.00	0.00	122.269	1.885	0.014	287.4	284.1	0.0	0.0
41	457.20	85.00	0.00	122.705	1.199	0.015	287.5	284.1	0.0	0.0
42	457.20	90.00	0.00	123.216	0.796	0.013	287.6	284.1	0.0	0.0
43	457.20	95.00	0.00	123.130	0.504	0.013	287.5	284.1	0.0	0.0
44	457.20	100.00	0.00	122.836	0.160	0.013	287.7	284.1	0.0	0.0
45	457.20	105.00	0.00	122.329	0.079	0.013	287.7	284.1	0.0	0.0
46	457.20	110.00	0.00	121.995	0.012	0.013	287.7	284.1	0.0	0.0

File : TAB205T 19-DEC-88
1-DEC-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config III(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 124.439 kPa
RMS gauged plenum pressure : 0.196 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	124.685	0.040	0.012	285.2	283.3	0.0	0.0
3	457.20	0.00	-97.00	124.601	0.013	0.011	285.2	283.3	0.0	0.0
4	457.20	0.00	-94.00	124.483	0.014	0.011	285.2	283.3	0.0	0.0
5	457.20	0.00	-91.00	124.457	0.011	0.011	285.4	283.3	0.0	0.0
6	457.20	0.00	-88.00	124.487	0.017	0.011	285.4	283.3	0.0	0.0
7	457.20	0.00	-85.00	124.503	0.057	0.011	285.5	283.3	0.0	0.0
8	457.20	0.00	-82.00	124.507	0.137	0.010	285.6	283.3	0.0	0.0
9	457.20	0.00	-79.00	124.592	0.356	0.010	285.6	283.3	0.0	0.0
10	457.20	0.00	-76.00	124.730	0.543	0.011	285.4	283.3	0.0	0.0
11	457.20	0.00	-73.00	124.769	0.790	0.010	285.2	283.3	0.0	0.0
12	457.20	0.00	-70.00	124.597	1.088	0.010	285.0	283.2	0.0	0.0
13	457.20	0.00	-67.00	124.498	1.478	0.010	284.9	283.2	0.0	0.0
14	457.20	0.00	-64.00	124.482	2.134	0.010	284.6	283.1	0.0	0.0
15	457.20	0.00	-61.00	124.437	2.896	0.009	284.6	283.1	0.0	0.0

16	457.20	0.00	-58.00	124.249	3.710	0.009	284.5	283.2	0.0	0.0
17	457.20	0.00	-55.00	124.108	4.699	0.009	284.3	283.1	0.0	0.0
18	457.20	0.00	-52.00	124.165	6.071	0.009	284.1	283.1	0.0	0.0
19	457.20	0.00	-49.00	124.162	7.272	0.009	284.0	283.1	0.0	0.0
20	457.20	0.00	-46.00	124.104	8.994	0.009	283.9	283.1	0.0	0.0
21	457.20	0.00	-43.00	124.215	10.505	0.010	283.8	283.1	0.0	0.0
22	457.20	0.00	-40.00	124.240	12.438	0.010	283.7	283.0	0.0	0.0
23	457.20	0.00	-37.00	124.336	14.523	0.010	283.5	283.0	0.0	0.0
24	457.20	0.00	-34.00	124.316	17.177	0.010	283.5	283.0	0.0	0.0
25	457.20	0.00	-31.00	124.348	19.768	0.010	283.5	283.0	0.0	0.0
26	457.20	0.00	-28.00	124.344	22.976	0.011	283.4	283.0	0.0	0.0
27	457.20	0.00	-25.00	124.235	25.968	0.011	283.3	283.0	0.0	0.0
28	457.20	0.00	-22.00	124.283	28.928	0.011	283.3	282.9	0.0	0.0
29	457.20	0.00	-19.00	124.236	32.050	0.011	283.3	283.0	0.0	0.0
30	457.20	0.00	-16.00	124.337	35.101	0.011	283.2	283.0	0.0	0.0
31	457.20	0.00	-13.00	124.362	37.472	0.012	283.2	282.9	0.0	0.0
32	457.20	0.00	-10.00	124.335	39.424	0.011	283.2	283.0	0.0	0.0
33	457.20	0.00	-7.00	124.320	40.895	0.012	283.1	282.9	0.0	0.0
34	457.20	0.00	-4.00	124.361	40.933	0.012	283.1	282.9	0.0	0.0
35	457.20	0.00	-1.00	124.368	39.967	0.012	283.1	282.9	0.0	0.0
36	457.20	0.00	2.00	124.413	39.036	0.012	283.1	282.9	0.0	0.0
37	457.20	0.00	5.00	124.405	36.506	0.012	283.1	282.9	0.0	0.0
38	457.20	0.00	8.00	124.396	34.860	0.012	283.0	282.9	0.0	0.0
39	457.20	0.00	11.00	124.685	31.303	0.012	283.0	282.9	0.0	0.0
40	457.20	0.00	14.00	124.810	28.196	0.012	283.0	282.9	0.0	0.0
41	457.20	0.00	17.00	124.824	25.807	0.013	283.0	282.9	0.0	0.0
42	457.20	0.00	20.00	124.715	22.487	0.014	283.0	282.9	0.0	0.0

File : TAB215T 6-DEC-88
6-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config III(a)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.408 kPa

Mean gauged plenum pressure : 125.428 kPa
RMS gauged plenum pressure : 0.471 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.217	0.092	0.026	291.5	283.1	289.3	289.2
3	457.20	-105.00	0.00	125.032	0.091	0.020	291.7	283.1	289.4	289.3
4	457.20	-100.00	0.00	124.933	0.152	0.019	291.5	283.2	288.8	288.7
5	457.20	-95.00	0.00	124.922	0.354	0.020	291.4	283.1	288.4	288.1
6	457.20	-90.00	0.00	124.936	0.754	0.021	291.4	283.1	288.1	287.5
7	457.20	-85.00	0.00	124.877	1.314	0.015	291.4	283.2	287.4	286.3
8	457.20	-80.00	0.00	124.948	2.237	0.014	291.3	283.1	286.6	284.8
9	457.20	-75.00	0.00	124.869	2.920	0.014	291.0	283.1	286.3	283.9
10	457.20	-70.00	0.00	124.835	4.549	0.013	290.9	283.1	285.8	282.1
11	457.20	-65.00	0.00	124.828	5.930	0.013	291.1	283.1	285.4	280.7
12	457.20	-60.00	0.00	124.869	8.856	0.014	291.0	283.1	284.5	277.6
13	457.20	-55.00	0.00	124.866	10.816	0.013	290.9	283.1	284.7	276.3
14	457.20	-50.00	0.00	124.796	13.842	0.016	291.0	283.1	283.6	273.1
15	457.20	-45.00	0.00	124.804	17.592	0.016	290.9	283.0	283.1	270.1

16	457.20	-40.00	0.00	124.877	21.777	0.016	290.9	283.0	282.9	267.2
17	457.20	-35.00	0.00	125.898	26.605	0.014	291.0	283.1	282.7	264.0
18	457.20	-30.00	0.00	125.311	31.832	0.013	291.1	283.1	282.4	260.6
19	457.20	-25.00	0.00	125.218	35.933	0.014	291.0	283.0	282.2	258.1
20	457.20	-20.00	0.00	125.395	38.538	0.013	291.1	283.0	282.2	256.7
21	457.20	-15.00	0.00	125.900	40.795	0.014	291.1	283.0	281.8	255.2
22	457.20	-10.00	0.00	125.142	41.291	0.021	291.0	283.0	281.0	254.2
23	457.20	-5.00	0.00	125.476	41.654	0.016	291.0	283.0	280.8	253.8
24	457.20	0.00	0.00	125.571	42.083	0.020	291.1	283.0	280.9	253.7
25	457.20	5.00	0.00	125.566	42.591	0.013	291.4	283.0	280.8	253.3
26	457.20	10.00	0.00	125.510	42.542	0.013	292.1	282.9	281.5	254.0
27	457.20	15.00	0.00	125.576	41.616	0.013	291.9	282.9	282.0	254.9
28	457.20	20.00	0.00	125.563	39.232	0.013	291.4	282.9	282.3	256.4
29	457.20	25.00	0.00	125.566	35.292	0.016	291.3	282.9	282.3	258.6
30	457.20	30.00	0.00	125.552	29.877	0.017	291.6	282.9	282.1	261.5
31	457.20	35.00	0.00	125.481	24.540	0.017	291.3	282.9	282.0	264.6
32	457.20	40.00	0.00	125.411	19.332	0.015	291.0	282.9	282.4	268.3
33	457.20	45.00	0.00	125.370	14.133	0.015	291.1	282.9	283.3	272.6
34	457.20	50.00	0.00	125.375	10.973	0.014	291.0	282.9	283.3	274.9
35	457.20	55.00	0.00	125.337	7.720	0.013	291.0	282.9	283.7	277.6
36	457.20	60.00	0.00	125.405	5.603	0.013	290.8	282.9	284.7	280.2
37	457.20	65.00	0.00	125.697	4.290	0.014	290.7	282.8	285.3	281.8
38	457.20	70.00	0.00	125.660	2.713	0.012	290.7	282.8	285.9	283.7
39	457.20	75.00	0.00	125.630	1.882	0.013	290.9	282.8	286.5	285.0
40	457.20	80.00	0.00	125.594	1.139	0.012	291.0	282.8	287.1	286.2
41	457.20	85.00	0.00	126.345	0.600	0.012	291.0	282.8	287.5	287.0
42	457.20	90.00	0.00	126.245	0.453	0.018	291.0	282.8	288.2	287.8
43	457.20	95.00	0.00	126.244	0.118	0.019	291.1	282.8	289.1	289.0
44	457.20	100.00	0.00	126.198	0.051	0.013	291.3	282.8	289.3	289.3
45	457.20	105.00	0.00	126.175	0.021	0.015	291.2	282.7	289.0	289.0
46	457.20	110.00	0.00	126.205	0.009	0.017	291.1	282.7	289.3	289.3

File : TAB224T 9-DEC-88
9-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config III(a), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.510 kPa

Mean gauged plenum pressure : 125.457 kPa
RMS gauged plenum pressure : 0.167 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.348	0.149	0.037	279.0	281.1	279.5	279.4
3	457.20	-105.00	0.00	125.518	0.114	0.030	278.9	281.3	279.4	279.3
4	457.20	-100.00	0.00	125.616	0.201	0.030	278.9	281.4	279.4	279.2
5	457.20	-95.00	0.00	125.656	0.372	0.044	278.9	281.5	279.3	279.0
6	457.20	-90.00	0.00	125.609	0.538	0.047	278.8	281.5	279.3	278.9
7	457.20	-85.00	0.00	125.473	0.958	0.050	278.8	281.6	279.2	278.4
8	457.20	-80.00	0.00	125.411	1.480	0.059	278.7	281.6	279.2	278.0
9	457.20	-75.00	0.00	125.408	2.220	0.056	278.7	281.6	279.2	277.4
10	457.20	-70.00	0.00	125.361	3.314	0.053	278.7	281.6	279.1	276.5
11	457.20	-65.00	0.00	125.392	4.683	0.059	278.7	281.7	279.1	275.4
12	457.20	-60.00	0.00	125.520	6.123	0.069	278.6	281.7	279.1	274.3
13	457.20	-55.00	0.00	125.621	9.212	0.073	278.6	281.7	279.0	272.0
14	457.20	-50.00	0.00	125.605	12.319	0.080	278.7	281.6	278.9	269.6
15	457.20	-45.00	0.00	125.554	15.246	0.081	278.6	281.6	278.9	267.6

16	457.20	-40.00	0.00	125.586	19.037	0.077	278.6	281.7	278.9	265.1
17	457.20	-35.00	0.00	125.494	25.158	0.075	278.6	281.7	278.9	261.3
18	457.20	-30.00	0.00	125.500	30.631	0.075	278.6	281.7	278.9	258.1
19	457.20	-25.00	0.00	125.476	35.608	0.078	278.6	281.7	278.8	255.2
20	457.20	-20.00	0.00	125.377	38.965	0.076	278.6	281.7	278.7	253.3
21	457.20	-15.00	0.00	125.317	41.617	0.072	278.5	281.6	278.7	251.9
22	457.20	-10.00	0.00	125.265	42.408	0.076	278.5	281.7	278.7	251.5
23	457.20	-5.00	0.00	125.300	42.529	0.075	278.5	281.7	278.7	251.5
24	457.20	0.00	0.00	125.236	42.048	0.070	278.5	281.6	278.7	251.7
25	457.20	5.00	0.00	125.452	41.595	0.069	278.5	281.6	278.6	251.9
26	457.20	10.00	0.00	125.489	40.907	0.070	278.5	281.6	278.6	252.2
27	457.20	15.00	0.00	125.631	40.399	0.072	278.4	281.6	278.6	252.5
28	457.20	20.00	0.00	125.734	38.576	0.067	278.4	281.6	278.6	253.4
29	457.20	25.00	0.00	125.702	35.878	0.068	278.5	281.6	278.6	254.9
30	457.20	30.00	0.00	125.691	32.002	0.060	278.4	281.6	278.5	256.9
31	457.20	35.00	0.00	125.396	27.684	0.059	278.4	281.7	278.5	259.4
32	457.20	40.00	0.00	125.282	22.660	0.060	278.4	281.6	278.5	262.5
33	457.20	45.00	0.00	125.278	18.518	0.060	278.4	281.6	278.5	265.1
34	457.20	50.00	0.00	125.218	15.039	0.051	278.4	281.6	278.5	267.4
35	457.20	55.00	0.00	125.225	11.723	0.045	278.4	281.7	278.5	269.7
36	457.20	60.00	0.00	125.319	8.710	0.042	278.4	281.6	278.5	271.8
37	457.20	65.00	0.00	125.601	6.456	0.039	278.4	281.6	278.5	273.5
38	457.20	70.00	0.00	125.707	4.813	0.043	278.5	281.6	278.5	274.7
39	457.20	75.00	0.00	125.701	3.723	0.037	278.5	281.6	278.5	275.6
40	457.20	80.00	0.00	125.629	2.510	0.032	278.5	281.6	278.6	276.6
41	457.20	85.00	0.00	125.619	1.520	0.030	278.5	281.6	278.6	277.4
42	457.20	90.00	0.00	125.523	0.999	0.028	278.6	281.6	278.6	277.8
43	457.20	95.00	0.00	125.405	0.674	0.020	278.6	281.6	278.6	278.1
44	457.20	100.00	0.00	125.277	0.239	0.022	278.5	281.6	278.6	278.4
45	457.20	105.00	0.00	125.184	0.123	0.017	278.5	281.6	278.6	278.5
46	457.20	110.00	0.00	125.240	0.035	0.020	278.6	281.6	278.6	278.6

File : TAB198T

18-DEC-88
1-DEC-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config III(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 124.810 kPa
RMS gauged plenum pressure : 0.342 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.907	0.067	0.011	276.0	282.2	0.0	0.0
3	457.20	-105.00	0.00	124.931	0.303	0.012	276.1	282.2	0.0	0.0
4	457.20	-100.00	0.00	124.625	0.579	0.011	276.1	282.2	0.0	0.0
5	457.20	-95.00	0.00	124.631	1.096	0.011	276.1	282.2	0.0	0.0
6	457.20	-90.00	0.00	124.767	1.514	0.012	276.2	282.3	0.0	0.0
7	457.20	-85.00	0.00	124.757	2.659	0.012	276.2	282.2	0.0	0.0
8	457.20	-80.00	0.00	124.453	3.858	0.012	276.3	282.3	0.0	0.0
9	457.20	-75.00	0.00	124.529	5.238	0.012	276.3	282.3	0.0	0.0
10	457.20	-70.00	0.00	124.511	7.430	0.012	276.4	282.2	0.0	0.0
11	457.20	-65.00	0.00	124.501	9.952	0.012	276.4	282.3	0.0	0.0
12	457.20	-60.00	0.00	124.570	13.114	0.012	276.4	282.2	0.0	0.0
13	457.20	-55.00	0.00	124.662	16.949	0.012	276.5	282.2	0.0	0.0
14	457.20	-50.00	0.00	124.492	21.013	0.012	276.6	282.3	0.0	0.0
15	457.20	-45.00	0.00	124.388	26.224	0.012	276.7	282.3	0.0	0.0

16	457.20	-40.00	0.00	124.587	31.354	0.013	276.8	282.2	0.0	0.0
17	457.20	-35.00	0.00	124.560	35.940	0.013	276.8	282.2	0.0	0.0
18	457.20	-30.00	0.00	124.633	38.734	0.013	276.9	282.3	0.0	0.0
19	457.20	-25.00	0.00	124.600	39.383	0.013	276.9	282.2	0.0	0.0
20	457.20	-20.00	0.00	124.564	37.948	0.014	277.0	282.3	0.0	0.0
21	457.20	-15.00	0.00	124.501	35.114	0.015	277.1	282.3	0.0	0.0
22	457.20	-10.00	0.00	125.120	32.275	0.016	277.1	282.2	0.0	0.0
23	457.20	-5.00	0.00	125.320	29.811	0.015	277.2	282.3	0.0	0.0
24	457.20	0.00	0.00	125.290	29.174	0.021	277.2	282.3	0.0	0.0
25	457.20	5.00	0.00	125.114	30.472	0.019	277.2	282.3	0.0	0.0
26	457.20	10.00	0.00	125.090	33.154	0.015	277.3	282.3	105.2	96.8
27	457.20	15.00	0.00	125.096	35.701	0.019	277.4	282.3	0.0	0.0
28	457.20	20.00	0.00	125.240	37.926	0.019	277.5	282.3	280.2	255.3
29	457.20	25.00	0.00	125.361	38.404	0.025	277.5	282.3	0.0	0.0
30	457.20	30.00	0.00	125.196	37.304	0.023	277.5	282.3	0.0	0.0
31	457.20	35.00	0.00	125.102	33.344	0.024	277.6	282.3	0.0	0.0
32	457.20	40.00	0.00	125.145	27.502	0.019	277.6	282.3	0.0	0.0
33	457.20	45.00	0.00	125.137	22.772	0.026	277.6	282.4	0.0	0.0
34	457.20	50.00	0.00	124.818	17.425	0.021	277.8	282.3	0.0	0.0
35	457.20	55.00	0.00	124.882	13.795	0.018	277.8	282.3	0.0	0.0
36	457.20	60.00	0.00	124.801	10.108	0.022	277.9	282.3	0.0	0.0
37	457.20	65.00	0.00	124.531	7.677	0.018	277.9	282.4	0.0	0.0
38	457.20	70.00	0.00	124.461	5.331	0.020	277.9	282.3	0.0	0.0
39	457.20	75.00	0.00	123.989	4.588	0.020	278.0	282.4	0.0	0.0
40	457.20	80.00	0.00	124.077	2.925	0.025	278.0	282.4	0.0	0.0
41	457.20	85.00	0.00	124.998	1.834	0.026	278.1	282.3	0.0	0.0
42	457.20	90.00	0.00	124.917	1.196	0.028	278.2	282.3	0.0	0.0
43	457.20	95.00	0.00	124.933	0.745	0.032	278.2	282.3	0.0	0.0
44	457.20	100.00	0.00	125.075	0.315	0.030	278.2	282.3	0.0	0.0
45	457.20	105.00	0.00	125.064	0.252	0.029	278.2	282.4	0.0	0.0
46	457.20	110.00	0.00	125.106	0.014	0.028	278.3	282.4	0.0	0.0

File : TAB197T 18-DEC-88
1-DEC-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config. III(b)

C1 : x/d = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 125.201 kPa
RMS gauged plenum pressure : 0.538 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	125.083	0.129	0.029	273.0	281.6	91.0	91.0
3	457.20	0.00	-97.00	125.122	0.072	0.028	273.0	281.7	272.5	272.4
4	457.20	0.00	-94.00	125.070	0.074	0.028	273.1	281.7	0.0	0.0
5	457.20	0.00	-91.00	125.056	0.049	0.037	273.2	281.8	273.9	273.9
6	457.20	0.00	-88.00	125.007	0.051	0.042	273.2	281.8	93.3	93.3
7	457.20	0.00	-85.00	125.045	0.078	0.051	273.2	281.8	0.0	0.0
8	457.20	0.00	-82.00	125.229	0.099	0.048	273.1	281.9	195.2	195.1
9	457.20	0.00	-79.00	125.235	0.219	0.045	273.2	281.9	0.0	0.0
10	457.20	0.00	-76.00	125.200	0.321	0.041	273.3	281.9	0.0	0.0
11	457.20	0.00	-73.00	125.212	0.584	0.038	273.3	282.0	0.0	0.0
12	457.20	0.00	-70.00	125.100	0.736	0.040	273.3	282.0	0.0	0.0
13	457.20	0.00	-67.00	125.150	1.103	0.045	273.4	282.0	0.0	0.0
14	457.20	0.00	-64.00	125.226	1.566	0.048	273.4	282.0	0.0	0.0
15	457.20	0.00	-61.00	125.085	2.102	0.049	273.5	282.0	0.0	0.0

16	457.20	0.00	-58.00	125.183	2.961	0.052	273.5	282.0	100.8	99.9
17	457.20	0.00	-55.00	125.366	3.583	0.054	273.6	282.1	0.0	0.0
18	457.20	0.00	-52.00	125.453	4.546	0.050	273.6	282.1	0.0	0.0
19	457.20	0.00	-49.00	125.583	5.686	0.046	273.7	282.1	0.0	0.0
20	457.20	0.00	-46.00	125.690	6.866	0.047	273.7	282.1	0.0	0.0
21	457.20	0.00	-43.00	125.547	8.409	0.051	273.8	282.1	0.0	0.0
22	457.20	0.00	-40.00	125.507	9.977	0.052	273.8	282.1	0.0	0.0
23	457.20	0.00	-37.00	125.502	11.627	0.048	273.8	282.1	0.0	0.0
24	457.20	0.00	-34.00	125.347	13.748	0.047	273.9	282.1	0.0	0.0
25	457.20	0.00	-31.00	125.181	16.375	0.049	273.9	282.1	0.0	0.0
26	457.20	0.00	-28.00	125.163	18.780	0.042	274.0	282.1	0.0	0.0
27	457.20	0.00	-25.00	125.243	20.992	0.043	274.0	282.1	0.0	0.0
28	457.20	0.00	-22.00	125.313	23.481	0.045	274.1	282.1	0.0	0.0
29	457.20	0.00	-19.00	125.443	25.096	0.044	274.2	282.1	0.0	0.0
30	457.20	0.00	-16.00	126.006	27.446	0.042	274.2	282.2	0.0	0.0
31	457.20	0.00	-13.00	127.023	29.345	0.044	274.2	282.1	0.0	0.0
32	457.20	0.00	-10.00	126.528	30.361	0.039	274.3	282.1	0.0	0.0
33	457.20	0.00	-7.00	125.156	31.248	0.037	274.4	282.1	0.0	0.0
34	457.20	0.00	-4.00	124.978	30.855	0.034	274.4	282.1	0.0	0.0
35	457.20	0.00	-1.00	124.854	30.059	0.038	274.5	282.2	0.0	0.0
36	457.20	0.00	2.00	123.879	29.110	0.038	274.5	282.2	0.0	0.0
37	457.20	0.00	5.00	124.100	27.081	0.029	274.5	282.1	0.0	0.0
38	457.20	0.00	8.00	124.672	25.090	0.028	274.7	282.2	0.0	0.0
39	457.20	0.00	11.00	124.588	22.242	0.023	274.8	282.1	0.0	0.0
40	457.20	0.00	14.00	124.702	19.326	0.024	274.8	282.2	0.0	0.0
41	457.20	0.00	17.00	124.792	17.007	0.024	275.0	282.2	0.0	0.0
42	457.20	0.00	20.00	124.830	14.702	0.023	275.0	282.2	0.0	0.0

File : TAB214T 6-DEC-88
6-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config III(b), -14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 125.469 kPa
RMS gauged plenum pressure : 0.204 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.825	0.128	0.016	290.5	282.7	288.0	287.9
3	457.20	-105.00	0.00	125.350	0.136	0.015	290.4	282.6	288.0	287.9
4	457.20	-100.00	0.00	125.298	0.275	0.013	290.4	282.7	288.0	287.8
5	457.20	-95.00	0.00	125.248	0.455	0.012	290.5	282.7	287.4	287.0
6	457.20	-90.00	0.00	125.255	0.790	0.012	290.2	282.7	286.4	285.7
7	457.20	-85.00	0.00	125.274	1.470	0.012	290.1	282.8	286.2	285.0
8	457.20	-80.00	0.00	125.251	2.463	0.011	290.0	282.8	285.4	283.4
9	457.20	-75.00	0.00	125.287	3.827	0.012	290.3	282.8	285.4	282.3
10	457.20	-70.00	0.00	125.310	5.433	0.011	290.4	282.8	284.8	280.5
11	457.20	-65.00	0.00	125.378	7.468	0.011	290.5	282.8	284.1	278.2
12	457.20	-60.00	0.00	125.402	11.276	0.011	290.4	282.8	283.5	274.8
13	457.20	-55.00	0.00	125.404	14.158	0.011	290.4	282.8	282.9	272.2
14	457.20	-50.00	0.00	125.402	18.088	0.011	290.4	282.9	283.1	269.8
15	457.20	-45.00	0.00	125.406	22.486	0.011	290.4	282.8	282.2	266.1

16	457.20	-40.00	0.00	125.451	27.819	0.011	290.4	282.9	282.3	262.9
17	457.20	-35.00	0.00	125.480	32.747	0.011	290.3	282.8	282.2	260.0
18	457.20	-30.00	0.00	125.499	35.627	0.011	290.0	282.8	281.9	258.1
19	457.20	-25.00	0.00	125.558	36.550	0.011	290.1	282.8	281.6	257.3
20	457.20	-20.00	0.00	125.550	35.380	0.011	290.1	282.8	281.0	257.4
21	457.20	-15.00	0.00	125.557	33.463	0.010	290.2	282.8	280.5	258.0
22	457.20	-10.00	0.00	125.613	30.690	0.011	290.1	282.8	279.7	258.8
23	457.20	-5.00	0.00	125.616	29.509	0.011	289.7	282.8	279.1	258.9
24	457.20	0.00	0.00	125.589	29.580	0.010	289.9	282.8	279.1	258.9
25	457.20	5.00	0.00	125.642	30.756	0.010	290.2	282.7	279.8	258.9
26	457.20	10.00	0.00	125.622	33.758	0.010	290.4	282.8	280.7	258.0
27	457.20	15.00	0.00	125.661	36.449	0.011	290.4	282.7	281.1	256.9
28	457.20	20.00	0.00	125.654	37.879	0.011	290.1	282.7	281.8	256.7
29	457.20	25.00	0.00	125.656	38.206	0.011	290.2	282.7	282.3	257.0
30	457.20	30.00	0.00	125.616	35.186	0.010	290.4	282.7	282.4	258.8
31	457.20	35.00	0.00	125.641	30.498	0.010	290.5	282.7	282.1	261.1
32	457.20	40.00	0.00	125.612	25.033	0.010	290.7	282.7	281.8	264.1
33	457.20	45.00	0.00	125.573	19.306	0.011	290.5	282.7	281.6	267.5
34	457.20	50.00	0.00	125.533	15.324	0.011	290.4	282.7	282.1	270.7
35	457.20	55.00	0.00	125.495	10.469	0.011	290.2	282.7	282.4	274.4
36	457.20	60.00	0.00	125.544	7.839	0.010	290.2	282.7	282.9	276.8
37	457.20	65.00	0.00	125.520	5.454	0.010	290.1	282.7	284.1	279.8
38	457.20	70.00	0.00	125.516	3.584	0.010	290.6	282.6	284.1	281.2
39	457.20	75.00	0.00	125.499	2.898	0.010	290.9	282.7	284.9	282.5
40	457.20	80.00	0.00	125.469	1.906	0.010	291.2	282.7	285.5	283.9
41	457.20	85.00	0.00	125.526	1.321	0.010	291.0	282.6	285.7	284.6
42	457.20	90.00	0.00	125.502	0.803	0.010	291.1	282.6	286.2	285.5
43	457.20	95.00	0.00	125.467	0.508	0.010	290.9	282.7	286.6	286.2
44	457.20	100.00	0.00	125.472	0.197	0.011	290.5	282.7	287.7	287.5
45	457.20	105.00	0.00	125.426	0.034	0.010	290.4	282.6	287.7	287.7
46	457.20	110.00	0.00	125.401	0.074	0.010	290.3	282.6	288.1	288.0

File : TAB227T 15-DEC-88
15-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config III(b), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 125.061 kPa
RMS gauged plenum pressure : 0.640 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.301	0.049	0.012	284.0	283.8	283.3	283.3
3	457.20	-105.00	0.00	124.071	0.197	0.012	283.9	283.9	283.3	283.1
4	457.20	-100.00	0.00	124.961	0.327	0.012	283.9	283.9	283.4	283.1
5	457.20	-95.00	0.00	124.967	0.533	0.012	284.0	283.9	283.5	283.1
6	457.20	-90.00	0.00	125.022	0.889	0.012	284.1	283.9	283.5	282.8
7	457.20	-85.00	0.00	125.061	1.638	0.012	284.1	283.9	283.6	282.3
8	457.20	-80.00	0.00	125.113	2.689	0.012	284.1	284.0	283.7	281.5
9	457.20	-75.00	0.00	125.167	4.215	0.012	284.2	284.0	283.8	280.4
10	457.20	-70.00	0.00	125.397	5.522	0.012	284.2	284.0	283.8	279.4
11	457.20	-65.00	0.00	125.600	7.794	0.012	284.2	284.0	283.7	277.6
12	457.20	-60.00	0.00	125.765	10.576	0.012	284.3	284.0	283.7	275.5
13	457.20	-55.00	0.00	125.925	14.141	0.012	284.3	284.0	283.7	273.0
14	457.20	-50.00	0.00	126.074	18.213	0.011	284.4	284.0	283.6	270.2
15	457.20	-45.00	0.00	126.256	22.674	0.011	284.3	284.0	283.5	267.2

16	457.20	-40.00	0.00	126.327	28.451	0.012	284.3	284.0	283.7	263.8
17	457.20	-35.00	0.00	126.260	33.821	0.012	284.2	284.0	283.7	260.7
18	457.20	-30.00	0.00	125.931	37.692	0.011	284.3	284.0	283.7	258.6
19	457.20	-25.00	0.00	125.690	39.259	0.012	284.4	284.0	283.6	257.6
20	457.20	-20.00	0.00	125.088	38.906	0.012	284.4	284.0	283.3	257.5
21	457.20	-15.00	0.00	124.792	37.015	0.012	284.4	284.0	283.2	258.5
22	457.20	-10.00	0.00	124.425	34.329	0.012	284.5	284.0	283.1	259.9
23	457.20	-5.00	0.00	124.294	32.082	0.012	284.4	284.0	283.0	261.0
24	457.20	0.00	0.00	124.288	30.253	0.012	284.5	284.0	283.1	262.2
25	457.20	5.00	0.00	124.471	30.130	0.012	284.6	284.0	283.3	262.4
26	457.20	10.00	0.00	124.652	31.009	0.012	284.7	284.0	283.6	262.2
27	457.20	15.00	0.00	124.683	32.780	0.012	284.8	284.0	283.9	261.5
28	457.20	20.00	0.00	124.868	34.392	0.012	284.9	284.0	283.9	260.6
29	457.20	25.00	0.00	124.908	35.337	0.012	284.9	284.0	284.0	260.1
30	457.20	30.00	0.00	125.028	34.835	0.012	284.9	284.0	284.2	260.6
31	457.20	35.00	0.00	125.062	32.123	0.013	284.9	284.0	284.1	262.0
32	457.20	40.00	0.00	125.236	28.096	0.012	285.0	284.0	284.3	264.6
33	457.20	45.00	0.00	125.364	23.716	0.015	284.9	284.0	284.3	267.3
34	457.20	50.00	0.00	125.534	19.117	0.013	284.9	284.0	284.3	270.2
35	457.20	55.00	0.00	125.626	15.094	0.013	285.1	284.0	284.3	272.9
36	457.20	60.00	0.00	125.710	11.717	0.013	285.0	284.0	284.3	275.3
37	457.20	65.00	0.00	125.882	8.763	0.014	285.0	284.0	284.4	277.5
38	457.20	70.00	0.00	124.456	6.612	0.012	285.0	284.0	284.4	279.2
39	457.20	75.00	0.00	123.898	5.479	0.014	285.0	283.9	284.4	280.0
40	457.20	80.00	0.00	123.990	4.192	0.016	285.0	283.9	284.4	281.0
41	457.20	85.00	0.00	124.260	2.770	0.017	285.0	283.9	284.5	282.3
42	457.20	90.00	0.00	124.478	1.751	0.021	285.0	284.0	284.5	283.1
43	457.20	95.00	0.00	124.627	1.123	0.020	285.1	283.9	284.5	283.6
44	457.20	100.00	0.00	124.380	0.571	0.018	285.2	283.9	284.5	284.0
45	457.20	105.00	0.00	124.620	0.391	0.020	285.1	284.0	284.6	284.3
46	457.20	110.00	0.00	124.713	0.135	0.021	285.2	283.9	284.6	284.5

File : TAB191T

17-DEC-88
30-NOV-88

Reduced experimental data file .

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config II(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 125.075 kPa
RMS gauged plenum pressure : 0.315 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.218	0.101	0.012	278.7	282.9	278.5	278.4
3	457.20	-105.00	0.00	125.231	0.056	0.013	278.7	282.9	278.8	278.8
4	457.20	-100.00	0.00	125.216	0.026	0.015	278.7	283.0	278.8	278.8
5	457.20	-95.00	0.00	125.100	0.017	0.013	278.7	283.0	278.6	278.6
6	457.20	-90.00	0.00	125.192	0.013	0.012	278.8	283.0	278.8	278.8
7	457.20	-85.00	0.00	125.034	0.013	0.015	278.8	283.1	278.6	278.6
8	457.20	-80.00	0.00	125.028	0.012	0.019	278.8	283.0	278.5	278.5
9	457.20	-75.00	0.00	125.047	0.012	0.015	278.8	283.0	278.4	278.4
10	457.20	-70.00	0.00	124.991	0.018	0.017	278.9	283.1	278.1	278.1
11	457.20	-65.00	0.00	124.889	0.089	0.017	278.9	283.0	277.9	277.8
12	457.20	-60.00	0.00	124.934	0.327	0.020	278.9	283.0	277.5	277.2
13	457.20	-55.00	0.00	124.924	0.734	0.018	278.9	283.0	277.1	276.5
14	457.20	-50.00	0.00	124.972	1.491	0.021	278.9	283.0	276.5	275.3
15	457.20	-45.00	0.00	125.019	2.598	0.021	278.9	283.0	276.1	274.0

16	457.20	-40.00	0.00	124.973	4.407	0.024	278.9	283.1	276.1	272.7
17	457.20	-35.00	0.00	125.151	6.745	0.029	278.9	283.0	275.0	269.8
18	457.20	-30.00	0.00	125.335	10.499	0.024	278.9	283.1	0.0	0.0
19	457.20	-25.00	0.00	125.413	15.443	0.024	278.9	283.0	201.6	193.3
20	457.20	-20.00	0.00	125.359	22.455	0.026	279.0	283.0	0.0	0.0
21	457.20	-15.00	0.00	125.358	30.852	0.027	278.9	283.0	0.0	0.0
22	457.20	-10.00	0.00	125.380	39.166	0.027	279.0	283.0	196.3	178.3
23	457.20	-5.00	0.00	125.296	46.161	0.025	279.0	283.0	0.0	0.0
24	457.20	0.00	0.00	125.124	48.034	0.026	279.0	283.0	106.2	94.8
25	457.20	5.00	0.00	125.146	43.439	0.030	279.1	283.1	93.0	83.7
26	457.20	10.00	0.00	125.327	36.776	0.026	279.1	283.1	285.8	260.9
27	457.20	15.00	0.00	125.232	27.066	0.028	279.2	283.1	292.3	272.6
28	457.20	20.00	0.00	125.270	19.250	0.026	279.2	283.1	190.8	181.3
29	457.20	25.00	0.00	125.250	13.027	0.028	279.3	283.1	285.5	275.5
30	457.20	30.00	0.00	125.345	7.923	0.031	279.3	283.1	100.1	97.9
31	457.20	35.00	0.00	125.383	4.962	0.027	279.4	283.1	0.0	0.0
32	457.20	40.00	0.00	125.317	2.924	0.027	279.3	283.1	0.0	0.0
33	457.20	45.00	0.00	125.381	1.539	0.030	279.3	283.0	0.0	0.0
34	457.20	50.00	0.00	125.376	0.804	0.024	279.4	283.1	0.0	0.0
35	457.20	55.00	0.00	125.395	0.337	0.027	279.5	283.1	0.0	0.0
36	457.20	60.00	0.00	125.353	0.065	0.024	279.5	283.0	0.0	0.0
37	457.20	65.00	0.00	125.392	0.013	0.022	279.5	283.1	0.0	0.0
38	457.20	70.00	0.00	125.408	0.010	0.028	279.5	283.0	0.0	0.0
39	457.20	75.00	0.00	124.754	0.011	0.027	279.5	283.1	0.0	0.0
40	457.20	80.00	0.00	124.690	0.011	0.023	279.5	283.1	0.0	0.0
41	457.20	85.00	0.00	124.685	0.012	0.024	279.5	283.1	0.0	0.0
42	457.20	90.00	0.00	124.529	0.013	0.025	279.4	283.0	0.0	0.0
43	457.20	95.00	0.00	124.429	0.013	0.022	279.5	283.0	0.0	0.0
44	457.20	100.00	0.00	124.564	0.013	0.021	279.6	283.0	0.0	0.0
45	457.20	105.00	0.00	124.407	0.011	0.022	279.6	283.0	0.0	0.0
46	457.20	110.00	0.00	124.300	0.013	0.025	279.6	283.1	0.0	0.0

File : TAB206T

19-DEC-88
1-DEC-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config II(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.408 kPa

Mean gauged plenum pressure : 124.978 kPa
RMS gauged plenum pressure : 0.260 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	125.172	0.749	0.012	283.8	282.9	0.0	0.0
3	457.20	0.00	-97.00	125.640	1.092	0.012	283.8	282.9	0.0	0.0
4	457.20	0.00	-94.00	125.658	1.520	0.012	283.8	282.9	0.0	0.0
5	457.20	0.00	-91.00	125.298	2.103	0.012	283.9	283.0	0.0	0.0
6	457.20	0.00	-88.00	125.363	2.725	0.012	283.9	283.0	0.0	0.0
7	457.20	0.00	-85.00	125.126	3.954	0.012	284.0	282.9	0.0	0.0
8	457.20	0.00	-82.00	125.077	4.620	0.012	284.0	283.0	0.0	0.0
9	457.20	0.00	-79.00	125.011	6.046	0.012	284.1	283.0	0.0	0.0
10	457.20	0.00	-76.00	125.042	7.662	0.012	284.0	283.0	0.0	0.0
11	457.20	0.00	-73.00	124.960	8.860	0.011	284.0	282.9	0.0	0.0
12	457.20	0.00	-70.00	124.962	10.402	0.011	283.8	282.9	0.0	0.0
13	457.20	0.00	-67.00	125.026	12.230	0.012	283.8	282.9	0.0	0.0
14	457.20	0.00	-64.00	124.971	14.413	0.011	283.8	282.9	0.0	0.0
15	457.20	0.00	-61.00	124.966	16.053	0.011	283.7	282.9	0.0	0.0

16	457.20	0.00	-58.00	124.970	18.251	0.011	283.7	282.9	0.0	0.0
17	457.20	0.00	-55.00	124.982	20.161	0.011	283.8	282.9	0.0	0.0
18	457.20	0.00	-52.00	125.073	22.110	0.011	283.9	282.9	0.0	0.0
19	457.20	0.00	-49.00	125.129	23.898	0.011	283.8	282.9	0.0	0.0
20	457.20	0.00	-46.00	125.073	25.811	0.011	283.7	282.9	0.0	0.0
21	457.20	0.00	-43.00	125.087	27.239	0.011	283.7	283.0	0.0	0.0
22	457.20	0.00	-40.00	125.124	29.023	0.011	283.7	282.9	0.0	0.0
23	457.20	0.00	-37.00	125.160	30.079	0.011	283.9	282.9	0.0	0.0
24	457.20	0.00	-34.00	125.248	32.031	0.011	283.8	283.0	0.0	0.0
25	457.20	0.00	-31.00	124.835	32.900	0.011	283.8	282.9	0.0	0.0
26	457.20	0.00	-28.00	124.828	35.378	0.011	283.8	282.9	0.0	0.0
27	457.20	0.00	-25.00	124.826	36.610	0.011	283.8	282.9	0.0	0.0
28	457.20	0.00	-22.00	124.881	38.681	0.011	283.7	282.9	0.0	0.0
29	457.20	0.00	-19.00	124.750	39.707	0.011	283.6	282.9	0.0	0.0
30	457.20	0.00	-16.00	124.788	41.914	0.011	283.5	282.9	0.0	0.0
31	457.20	0.00	-13.00	124.918	42.344	0.011	283.4	282.9	0.0	0.0
32	457.20	0.00	-10.00	124.838	44.530	0.011	283.3	282.9	0.0	0.0
33	457.20	0.00	-7.00	124.767	46.036	0.011	283.3	282.8	0.0	0.0
34	457.20	0.00	-4.00	124.791	47.555	0.011	283.4	282.8	0.0	0.0
35	457.20	0.00	-1.00	124.777	48.762	0.011	283.3	282.9	0.0	0.0
36	457.20	0.00	2.00	124.778	49.644	0.012	283.2	282.9	0.0	0.0
37	457.20	0.00	5.00	124.711	48.975	0.012	283.1	282.8	0.0	0.0
38	457.20	0.00	8.00	124.712	48.692	0.012	283.2	282.8	0.0	0.0
39	457.20	0.00	11.00	124.745	47.636	0.012	283.1	282.8	0.0	0.0
40	457.20	0.00	14.00	124.676	46.281	0.012	283.1	282.8	0.0	0.0
41	457.20	0.00	17.00	124.722	45.086	0.012	283.1	282.8	124.6	111.8
42	457.20	0.00	20.00	124.757	42.541	0.012	283.1	282.8	0.0	0.0

File : TAB220T 7-DEC-88
7-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config II(a), -14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.036 kPa

Mean gauged plenum pressure : 124.604 kPa
RMS gauged plenum pressure : 0.663 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	121.165	0.090	0.012	291.6	282.9	290.8	290.7
3	457.20	-105.00	0.00	124.015	0.040	0.012	291.5	282.9	290.9	290.9
4	457.20	-100.00	0.00	124.302	0.018	0.013	291.6	282.9	291.0	291.0
5	457.20	-95.00	0.00	123.669	0.013	0.013	291.4	283.0	291.0	291.0
6	457.20	-90.00	0.00	123.179	0.012	0.012	291.6	283.0	291.1	291.1
7	457.20	-85.00	0.00	124.877	0.011	0.013	291.6	283.0	291.1	291.1
8	457.20	-80.00	0.00	124.729	0.009	0.012	291.7	283.0	291.1	291.1
9	457.20	-75.00	0.00	124.662	0.007	0.013	291.6	283.0	291.1	291.1
10	457.20	-70.00	0.00	124.600	0.011	0.013	291.7	283.0	291.1	291.1
11	457.20	-65.00	0.00	124.517	0.012	0.012	291.6	283.1	291.1	291.1
12	457.20	-60.00	0.00	124.554	0.195	0.012	291.6	283.0	291.1	290.9
13	457.20	-55.00	0.00	124.557	0.523	0.012	291.5	283.0	291.1	290.7
14	457.20	-50.00	0.00	124.695	1.359	0.012	291.5	283.1	291.1	290.0
15	457.20	-45.00	0.00	124.784	2.409	0.013	291.5	283.0	291.0	289.0

16	457.20	-40.00	0.00	124.790	4.201	0.012	291.5	283.0	291.0	287.5
17	457.20	-35.00	0.00	124.833	6.877	0.012	292.0	283.0	291.0	285.4
18	457.20	-30.00	0.00	125.039	10.333	0.011	292.4	283.0	291.2	283.0
19	457.20	-25.00	0.00	125.221	15.833	0.012	292.3	283.0	291.2	279.0
20	457.20	-20.00	0.00	125.289	22.140	0.012	292.2	283.0	291.2	274.7
21	457.20	-15.00	0.00	125.364	30.735	0.012	292.4	283.0	291.2	269.3
22	457.20	-10.00	0.00	125.251	39.851	0.012	293.1	283.0	291.2	264.1
23	457.20	-5.00	0.00	125.155	46.772	0.012	292.7	282.9	291.1	260.3
24	457.20	0.00	0.00	125.033	49.179	0.013	292.0	283.0	291.0	259.0
25	457.20	5.00	0.00	124.905	45.045	0.012	291.7	282.9	290.8	261.0
26	457.20	10.00	0.00	124.846	36.650	0.012	291.4	282.9	290.5	265.2
27	457.20	15.00	0.00	124.811	28.134	0.012	291.4	282.9	290.4	270.2
28	457.20	20.00	0.00	124.760	19.168	0.012	291.5	282.9	290.3	275.8
29	457.20	25.00	0.00	124.816	12.498	0.012	291.5	282.9	290.3	280.5
30	457.20	30.00	0.00	124.843	7.778	0.012	291.4	282.9	290.2	283.9
31	457.20	35.00	0.00	124.945	4.575	0.012	291.2	282.9	290.0	286.2
32	457.20	40.00	0.00	124.854	2.793	0.012	291.2	283.0	290.0	287.7
33	457.20	45.00	0.00	124.580	1.281	0.012	291.3	282.9	290.0	288.9
34	457.20	50.00	0.00	124.692	0.573	0.012	291.2	282.9	290.0	289.5
35	457.20	55.00	0.00	124.776	0.207	0.012	291.2	282.9	289.9	289.7
36	457.20	60.00	0.00	124.767	0.049	0.012	291.3	282.9	290.0	290.0
37	457.20	65.00	0.00	124.722	0.008	0.012	291.2	282.9	290.1	290.1
38	457.20	70.00	0.00	124.616	0.007	0.012	291.2	282.8	290.2	290.2
39	457.20	75.00	0.00	124.576	0.007	0.012	291.4	282.9	290.3	290.3
40	457.20	80.00	0.00	124.498	0.008	0.012	291.6	282.9	290.5	290.5
41	457.20	85.00	0.00	124.456	0.008	0.013	291.5	282.8	290.5	290.5
42	457.20	90.00	0.00	124.469	0.009	0.013	291.4	282.8	290.5	290.5
43	457.20	95.00	0.00	124.462	0.009	0.013	291.5	282.8	290.6	290.6
44	457.20	100.00	0.00	124.526	0.009	0.015	291.5	282.9	290.7	290.7
45	457.20	105.00	0.00	124.601	0.010	0.015	291.5	282.8	290.7	290.7
46	457.20	110.00	0.00	124.681	0.010	0.013	291.5	282.8	290.7	290.7

File : TAB228T 15-DEC-88
15-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config IV(a), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 125.061 kPa
RMS gauged plenum pressure : 0.668 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.904	0.070	0.012	285.5	283.9	284.9	284.8
3	457.20	-105.00	0.00	124.621	0.032	0.012	285.6	284.0	285.1	285.1
4	457.20	-100.00	0.00	126.107	0.014	0.012	285.6	283.9	285.1	285.1
5	457.20	-95.00	0.00	124.736	0.013	0.012	285.6	284.0	285.2	285.2
6	457.20	-90.00	0.00	124.720	0.011	0.012	285.6	284.0	285.2	285.2
7	457.20	-85.00	0.00	124.663	0.011	0.013	285.6	284.0	285.2	285.2
8	457.20	-80.00	0.00	124.447	0.009	0.012	285.7	284.0	285.2	285.2
9	457.20	-75.00	0.00	124.323	0.009	0.012	285.7	284.0	285.1	285.1
10	457.20	-70.00	0.00	124.199	0.010	0.012	285.7	284.0	285.1	285.1
11	457.20	-65.00	0.00	124.175	0.011	0.012	285.7	284.0	285.1	285.1
12	457.20	-60.00	0.00	124.169	0.157	0.013	285.7	284.0	284.9	284.8
13	457.20	-55.00	0.00	124.245	0.344	0.013	285.7	284.0	284.9	284.6
14	457.20	-50.00	0.00	124.354	1.019	0.012	285.8	284.0	285.0	284.2
15	457.20	-45.00	0.00	124.349	1.801	0.014	285.8	284.0	285.1	283.6

16	457.20	-40.00	0.00	124.475	3.074	0.013	285.9	284.0	284.9	282.4
17	457.20	-35.00	0.00	124.662	5.171	0.014	285.9	284.1	284.4	280.3
18	457.20	-30.00	0.00	124.867	8.199	0.018	285.8	284.1	284.3	277.9
19	457.20	-25.00	0.00	124.023	12.261	0.013	285.9	284.1	284.0	274.6
20	457.20	-20.00	0.00	124.223	17.694	0.016	286.0	284.1	284.0	270.9
21	457.20	-15.00	0.00	124.483	26.692	0.012	286.1	284.1	284.2	265.3
22	457.20	-10.00	0.00	124.671	35.194	0.014	286.1	284.1	284.2	260.4
23	457.20	-5.00	0.00	124.966	45.431	0.014	286.2	284.1	285.0	255.7
24	457.20	0.00	0.00	125.212	49.778	0.016	286.2	284.1	285.3	253.7
25	457.20	5.00	0.00	125.323	48.893	0.013	286.3	284.1	285.2	254.1
26	457.20	10.00	0.00	125.520	42.108	0.015	286.3	284.1	285.0	257.4
27	457.20	15.00	0.00	125.168	32.618	0.015	286.2	284.1	285.0	262.6
28	457.20	20.00	0.00	125.371	23.919	0.016	286.2	284.1	285.1	267.9
29	457.20	25.00	0.00	125.439	16.125	0.015	286.3	284.1	285.2	273.1
30	457.20	30.00	0.00	125.497	10.746	0.014	286.5	284.0	285.3	277.0
31	457.20	35.00	0.00	125.051	7.062	0.014	286.5	284.1	285.4	279.8
32	457.20	40.00	0.00	125.168	4.166	0.015	286.7	284.1	285.4	282.0
33	457.20	45.00	0.00	125.240	2.165	0.016	286.6	284.1	285.5	283.7
34	457.20	50.00	0.00	125.398	1.196	0.016	286.7	284.1	285.6	284.6
35	457.20	55.00	0.00	125.498	0.692	0.014	286.9	284.1	285.8	285.2
36	457.20	60.00	0.00	125.644	0.262	0.015	286.8	284.1	285.8	285.6
37	457.20	65.00	0.00	125.936	0.045	0.013	286.9	284.1	285.9	285.9
38	457.20	70.00	0.00	126.140	0.010	0.017	286.8	284.1	285.9	285.9
39	457.20	75.00	0.00	126.182	0.009	0.016	286.7	284.1	285.9	285.9
40	457.20	80.00	0.00	126.026	0.009	0.015	286.8	284.1	285.9	285.9
41	457.20	85.00	0.00	125.948	0.009	0.015	286.7	284.1	286.0	286.0
42	457.20	90.00	0.00	125.905	0.009	0.019	286.8	284.1	286.0	286.0
43	457.20	95.00	0.00	125.786	0.010	0.016	286.8	284.1	286.0	286.0
44	457.20	100.00	0.00	125.782	0.010	0.017	286.7	284.1	285.9	285.9
45	457.20	105.00	0.00	125.338	0.011	0.023	286.7	284.1	285.9	285.9
46	457.20	110.00	0.00	124.813	0.011	0.016	286.8	284.1	285.9	285.9

File : TAB200T

18-DEC-88
1-DEC-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config II(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.679 kPa

Mean gauged plenum pressure : 124.481 kPa
RMS gauged plenum pressure : 0.423 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.794	0.017	0.013	281.1	282.6	0.0	0.0
3	457.20	-105.00	0.00	124.828	0.011	0.018	281.2	282.6	0.0	0.0
4	457.20	-100.00	0.00	124.866	0.009	0.020	281.2	282.6	0.0	0.0
5	457.20	-95.00	0.00	124.780	0.009	0.015	281.3	282.6	0.0	0.0
6	457.20	-90.00	0.00	124.708	0.020	0.024	281.3	282.6	0.0	0.0
7	457.20	-85.00	0.00	124.625	0.181	0.019	281.4	282.6	0.0	0.0
8	457.20	-80.00	0.00	124.693	0.413	0.021	281.5	282.6	0.0	0.0
9	457.20	-75.00	0.00	124.625	0.897	0.024	281.4	282.6	0.0	0.0
10	457.20	-70.00	0.00	124.628	1.527	0.019	281.4	282.6	0.0	0.0
11	457.20	-65.00	0.00	124.734	2.444	0.020	281.5	282.6	0.0	0.0
12	457.20	-60.00	0.00	124.810	3.836	0.020	281.5	282.7	0.0	0.0
13	457.20	-55.00	0.00	124.898	5.532	0.024	281.6	282.6	0.0	0.0
14	457.20	-50.00	0.00	124.482	7.703	0.023	281.7	282.7	0.0	0.0
15	457.20	-45.00	0.00	124.029	10.693	0.024	281.6	282.6	0.0	0.0

16	457.20	-40.00	0.00	124.062	14.343	0.018	281.7	282.6	0.0	0.0
17	457.20	-35.00	0.00	124.085	18.732	0.018	281.8	282.7	0.0	0.0
18	457.20	-30.00	0.00	123.960	23.905	0.023	281.8	282.6	0.0	0.0
19	457.20	-25.00	0.00	124.877	30.089	0.019	281.8	282.7	0.0	0.0
20	457.20	-20.00	0.00	124.718	39.067	0.017	281.8	282.6	0.0	0.0
21	457.20	-15.00	0.00	124.644	48.263	0.017	281.9	282.7	0.0	0.0
22	457.20	-10.00	0.00	124.557	57.077	0.020	281.9	282.7	0.0	0.0
23	457.20	-5.00	0.00	124.421	64.617	0.019	282.1	282.7	0.0	0.0
24	457.20	0.00	0.00	124.409	65.646	0.015	282.2	282.7	0.0	0.0
25	457.20	5.00	0.00	124.482	60.969	0.013	282.2	282.7	0.0	0.0
26	457.20	10.00	0.00	124.452	52.680	0.014	282.0	282.7	99.6	88.1
27	457.20	15.00	0.00	124.347	40.735	0.012	281.9	282.6	0.0	0.0
28	457.20	20.00	0.00	124.382	31.750	0.016	282.0	282.6	0.0	0.0
29	457.20	25.00	0.00	124.121	24.272	0.018	281.8	282.7	0.0	0.0
30	457.20	30.00	0.00	124.135	17.869	0.019	281.8	282.6	0.0	0.0
31	457.20	35.00	0.00	124.088	12.811	0.018	281.8	282.7	0.0	0.0
32	457.20	40.00	0.00	123.562	8.808	0.020	282.1	282.7	0.0	0.0
33	457.20	45.00	0.00	123.586	6.844	0.020	282.2	282.7	0.0	0.0
34	457.20	50.00	0.00	123.566	4.243	0.025	282.3	282.7	0.0	0.0
35	457.20	55.00	0.00	123.551	3.211	0.020	282.3	282.8	0.0	0.0
36	457.20	60.00	0.00	123.533	1.800	0.023	282.2	282.8	0.0	0.0
37	457.20	65.00	0.00	124.844	1.152	0.024	282.2	282.7	0.0	0.0
38	457.20	70.00	0.00	124.677	0.654	0.029	282.2	282.7	0.0	0.0
39	457.20	75.00	0.00	124.603	0.322	0.026	282.3	282.8	0.0	0.0
40	457.20	80.00	0.00	124.686	0.145	0.021	282.4	282.8	0.0	0.0
41	457.20	85.00	0.00	124.627	0.025	0.023	282.5	282.7	0.0	0.0
42	457.20	90.00	0.00	124.660	0.010	0.024	282.6	282.8	0.0	0.0
43	457.20	95.00	0.00	124.740	0.009	0.026	282.7	282.8	0.0	0.0
44	457.20	100.00	0.00	124.847	0.010	0.030	282.8	282.8	0.0	0.0
45	457.20	105.00	0.00	124.965	0.010	0.030	282.6	282.8	0.0	0.0
46	457.20	110.00	0.00	124.966	0.011	0.025	282.8	282.8	0.0	0.0

File : TAB199T 18-DEC-88
1-DEC-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config II(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.646 kPa

Mean gauged plenum pressure : 124.728 kPa
RMS gauged plenum pressure : 0.511 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	123.967	0.103	0.011	279.3	282.3	276.2	276.1
3	457.20	0.00	-97.00	123.904	0.195	0.012	279.5	282.3	305.3	305.1
4	457.20	0.00	-94.00	123.776	0.299	0.012	279.4	282.3	277.4	277.2
5	457.20	0.00	-91.00	125.353	0.523	0.012	279.4	282.4	322.8	322.3
6	457.20	0.00	-88.00	125.367	0.767	0.012	279.4	282.4	343.8	343.0
7	457.20	0.00	-85.00	125.382	1.260	0.012	279.3	282.4	301.6	300.5
8	457.20	0.00	-82.00	125.377	1.746	0.011	279.4	282.4	347.9	346.2
9	457.20	0.00	-79.00	125.528	2.345	0.011	279.4	282.4	332.2	330.0
10	457.20	0.00	-76.00	125.494	3.127	0.011	279.5	282.4	334.4	331.4
11	457.20	0.00	-73.00	125.456	3.837	0.011	279.5	282.4	309.8	306.4
12	457.20	0.00	-70.00	125.391	5.192	0.011	279.6	282.4	318.0	313.4
13	457.20	0.00	-67.00	125.075	5.960	0.011	279.8	282.5	333.9	328.4
14	457.20	0.00	-64.00	125.098	7.090	0.011	279.7	282.5	329.5	323.0
15	457.20	0.00	-61.00	125.215	8.574	0.011	279.7	282.5	290.4	283.6

16	457.20	0.00	-58.00	125.228	10.344	0.010	279.7	282.4	298.9	290.5
17	457.20	0.00	-55.00	124.767	10.700	0.010	279.7	282.5	0.0	0.0
18	457.20	0.00	-52.00	124.404	12.526	0.010	279.7	282.5	100.7	97.3
19	457.20	0.00	-49.00	124.350	14.848	0.011	279.9	282.5	297.8	286.1
20	457.20	0.00	-46.00	124.460	16.988	0.010	279.9	282.5	0.0	0.0
21	457.20	0.00	-43.00	124.521	19.256	0.010	280.1	282.5	0.0	0.0
22	457.20	0.00	-40.00	124.524	21.571	0.011	280.1	282.5	0.0	0.0
23	457.20	0.00	-37.00	124.543	24.558	0.011	280.2	282.5	0.0	0.0
24	457.20	0.00	-34.00	124.629	27.405	0.011	280.1	282.5	0.0	0.0
25	457.20	0.00	-31.00	124.478	30.956	0.012	280.2	282.5	97.4	90.1
26	457.20	0.00	-28.00	123.655	33.216	0.012	280.2	282.5	96.4	88.7
27	457.20	0.00	-25.00	125.198	37.424	0.012	280.0	282.5	0.0	0.0
28	457.20	0.00	-22.00	124.985	41.775	0.013	279.9	282.5	0.0	0.0
29	457.20	0.00	-19.00	124.743	46.473	0.012	280.1	282.5	87.3	78.2
30	457.20	0.00	-16.00	124.408	50.296	0.013	280.3	282.5	0.0	0.0
31	457.20	0.00	-13.00	124.428	54.384	0.021	280.4	282.5	111.6	98.4
32	457.20	0.00	-10.00	124.469	58.695	0.024	280.5	282.5	106.9	93.5
33	457.20	0.00	-7.00	124.533	62.804	0.020	280.4	282.5	0.0	0.0
34	457.20	0.00	-4.00	124.138	64.257	0.020	280.5	282.5	0.0	0.0
35	457.20	0.00	-1.00	125.283	62.875	0.019	280.7	282.5	107.0	92.9
36	457.20	0.00	2.00	125.331	62.532	0.023	280.6	282.5	0.0	0.0
37	457.20	0.00	5.00	124.436	63.926	0.017	280.6	282.5	0.0	0.0
38	457.20	0.00	8.00	124.384	61.356	0.021	280.7	282.5	0.0	0.0
39	457.20	0.00	11.00	124.450	57.665	0.021	280.8	282.5	190.5	166.9
40	457.20	0.00	14.00	124.479	53.667	0.017	280.8	282.5	0.0	0.0
41	457.20	0.00	17.00	124.438	48.571	0.022	280.7	282.5	86.4	77.0
42	457.20	0.00	20.00	124.300	44.445	0.017	280.8	282.5	285.1	256.3

File : TAB219T 7-DEC-88
7-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config II(b), -14 deg.

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.070 kPa

Mean gauged plenum pressure : 124.891 kPa
RMS gauged plenum pressure : 0.560 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	123.840	0.066	0.012	291.1	282.9	290.0	289.9
3	457.20	-105.00	0.00	123.792	0.022	0.014	291.0	282.8	290.0	290.0
4	457.20	-100.00	0.00	124.503	0.013	0.015	290.8	282.8	289.7	289.7
5	457.20	-95.00	0.00	124.706	0.029	0.016	290.6	282.8	289.3	289.3
6	457.20	-90.00	0.00	124.646	0.016	0.017	290.3	282.7	289.0	289.0
7	457.20	-85.00	0.00	124.583	0.083	0.017	290.2	282.7	288.5	288.4
8	457.20	-80.00	0.00	124.538	0.262	0.021	290.1	282.7	287.9	287.7
9	457.20	-75.00	0.00	124.587	0.630	0.017	290.0	282.7	287.8	287.3
10	457.20	-70.00	0.00	124.585	1.272	0.018	290.0	282.7	287.2	286.1
11	457.20	-65.00	0.00	124.542	2.246	0.019	289.9	282.7	287.0	285.1
12	457.20	-60.00	0.00	124.570	3.060	0.026	289.8	282.7	286.4	283.9
13	457.20	-55.00	0.00	124.569	5.000	0.023	289.8	282.6	286.0	282.0
14	457.20	-50.00	0.00	124.544	6.847	0.025	289.8	282.6	285.4	279.9
15	457.20	-45.00	0.00	124.578	9.792	0.027	289.9	282.6	284.7	277.0

16	457.20	-40.00	0.00	124.624	13.408	0.029	290.1	282.6	284.0	273.8
17	457.20	-35.00	0.00	124.656	17.008	0.028	290.5	282.6	283.1	270.4
18	457.20	-30.00	0.00	125.342	23.680	0.038	290.1	282.6	282.4	265.4
19	457.20	-25.00	0.00	125.327	29.752	0.030	290.1	282.6	282.0	261.4
20	457.20	-20.00	0.00	125.366	37.352	0.033	289.9	282.6	281.6	256.7
21	457.20	-15.00	0.00	125.357	45.470	0.036	289.8	282.7	281.7	252.6
22	457.20	-10.00	0.00	125.361	53.624	0.033	289.9	282.6	282.0	248.9
23	457.20	-5.00	0.00	125.354	59.592	0.032	290.1	282.7	282.7	246.7
24	457.20	0.00	0.00	125.842	60.834	0.040	290.3	282.7	282.7	246.2
25	457.20	5.00	0.00	125.206	56.169	0.033	290.4	282.7	282.3	248.0
26	457.20	10.00	0.00	125.241	47.641	0.038	290.6	282.7	281.9	251.7
27	457.20	15.00	0.00	125.348	37.699	0.039	290.6	282.7	281.5	256.5
28	457.20	20.00	0.00	125.366	28.431	0.036	290.8	282.7	281.9	262.1
29	457.20	25.00	0.00	125.428	21.933	0.037	291.0	282.8	282.3	266.4
30	457.20	30.00	0.00	125.459	15.035	0.038	291.1	282.8	283.2	271.9
31	457.20	35.00	0.00	125.567	10.766	0.042	291.0	282.8	283.9	275.6
32	457.20	40.00	0.00	125.574	7.426	0.035	290.9	282.8	284.8	278.9
33	457.20	45.00	0.00	125.620	5.260	0.036	290.9	282.8	285.7	281.5
34	457.20	50.00	0.00	125.603	3.528	0.040	291.0	282.8	286.1	283.2
35	457.20	55.00	0.00	125.632	2.123	0.034	291.0	282.8	287.1	285.3
36	457.20	60.00	0.00	125.597	1.176	0.033	291.1	282.8	287.7	286.7
37	457.20	65.00	0.00	125.625	0.722	0.027	291.1	282.8	288.0	287.4
38	457.20	70.00	0.00	125.548	0.409	0.027	291.2	282.8	288.3	288.0
39	457.20	75.00	0.00	124.315	0.155	0.028	291.1	282.7	288.9	288.8
40	457.20	80.00	0.00	124.308	0.037	0.023	291.4	282.7	289.6	289.6
41	457.20	85.00	0.00	124.283	0.010	0.023	291.5	282.7	289.9	289.9
42	457.20	90.00	0.00	124.323	0.010	0.027	291.4	282.7	290.0	290.0
43	457.20	95.00	0.00	124.337	0.010	0.022	291.4	282.7	290.1	290.1
44	457.20	100.00	0.00	124.344	0.009	0.021	291.3	282.7	290.4	290.4
45	457.20	105.00	0.00	124.376	0.010	0.021	291.3	282.8	290.1	290.1
46	457.20	110.00	0.00	124.395	0.009	0.020	291.1	282.7	290.3	290.3

File : TAB231T 16-DEC-88
16-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config II(b), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 124.894 kPa
RMS gauged plenum pressure : 0.967 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	126.078	0.183	0.040	274.8	282.6	275.2	275.1
3	457.20	-105.00	0.00	126.235	0.150	0.040	274.7	282.7	275.2	275.1
4	457.20	-100.00	0.00	126.009	0.121	0.040	274.7	282.8	275.1	275.0
5	457.20	-95.00	0.00	124.556	0.113	0.036	274.7	282.8	275.0	274.9
6	457.20	-90.00	0.00	125.048	0.165	0.047	274.7	282.8	274.9	274.8
7	457.20	-85.00	0.00	125.384	0.271	0.054	274.7	282.9	275.0	274.8
8	457.20	-80.00	0.00	125.654	0.419	0.058	274.6	282.9	274.9	274.6
9	457.20	-75.00	0.00	125.809	0.626	0.071	274.7	283.0	274.8	274.3
10	457.20	-70.00	0.00	125.946	1.008	0.076	274.7	283.0	274.8	274.0
11	457.20	-65.00	0.00	126.072	1.900	0.081	274.7	283.0	274.8	273.3
12	457.20	-60.00	0.00	126.290	2.744	0.084	274.6	283.0	274.8	272.6
13	457.20	-55.00	0.00	126.397	4.352	0.078	274.6	283.1	274.9	271.5
14	457.20	-50.00	0.00	125.908	6.104	0.075	274.6	283.1	274.9	270.2
15	457.20	-45.00	0.00	124.054	8.098	0.075	274.7	283.1	274.9	268.8

16	457.20	-40.00	0.00	124.338	11.479	0.075	274.6	283.1	274.8	266.3
17	457.20	-35.00	0.00	124.517	15.196	0.074	274.6	283.1	274.8	263.7
18	457.20	-30.00	0.00	124.555	20.189	0.085	274.6	283.1	274.8	260.5
19	457.20	-25.00	0.00	124.563	26.778	0.076	274.6	283.1	274.8	256.5
20	457.20	-20.00	0.00	124.458	34.316	0.080	274.7	283.2	274.8	252.3
21	457.20	-15.00	0.00	124.585	43.032	0.077	274.6	283.1	274.8	247.7
22	457.20	-10.00	0.00	128.034	51.691	0.080	274.7	283.2	274.8	243.5
23	457.20	-5.00	0.00	124.936	59.214	0.076	274.6	283.2	274.7	240.0
24	457.20	0.00	0.00	124.550	64.319	0.079	274.5	283.4	274.7	237.9
25	457.20	5.00	0.00	125.618	62.259	0.075	274.6	283.6	274.9	238.9
26	457.20	10.00	0.00	125.067	57.062	0.074	274.6	283.5	274.8	241.1
27	457.20	15.00	0.00	124.664	48.727	0.076	274.5	283.5	274.7	244.8
28	457.20	20.00	0.00	124.999	39.469	0.072	274.5	283.4	274.7	249.4
29	457.20	25.00	0.00	124.932	31.657	0.067	274.7	283.1	274.7	253.6
30	457.20	30.00	0.00	124.633	24.227	0.063	274.7	283.0	274.7	257.9
31	457.20	35.00	0.00	124.587	18.219	0.058	274.8	282.7	274.8	261.8
32	457.20	40.00	0.00	124.365	13.591	0.056	274.8	282.5	274.8	264.8
33	457.20	45.00	0.00	124.312	10.144	0.055	274.8	282.2	274.8	267.2
34	457.20	50.00	0.00	124.756	7.354	0.050	274.6	282.1	274.8	269.2
35	457.20	55.00	0.00	124.924	5.094	0.047	274.7	281.9	274.8	270.9
36	457.20	60.00	0.00	124.567	3.493	0.044	274.7	281.8	274.8	272.1
37	457.20	65.00	0.00	124.136	2.120	0.043	274.7	281.6	274.8	273.1
38	457.20	70.00	0.00	124.135	1.145	0.038	274.8	281.5	274.8	273.9
39	457.20	75.00	0.00	123.980	0.704	0.039	274.7	281.3	274.7	274.1
40	457.20	80.00	0.00	124.251	0.368	0.039	274.7	281.2	274.7	274.4
41	457.20	85.00	0.00	124.103	0.117	0.037	274.7	281.1	274.7	274.6
42	457.20	90.00	0.00	123.988	0.067	0.031	274.7	281.1	274.7	274.6
43	457.20	95.00	0.00	123.834	0.013	0.024	274.6	281.0	274.7	274.7
44	457.20	100.00	0.00	123.751	0.010	0.022	274.6	281.0	274.7	274.7
45	457.20	105.00	0.00	123.658	0.010	0.021	274.7	280.9	274.7	274.7
46	457.20	110.00	0.00	123.568	0.009	0.019	274.6	280.8	274.7	274.7

File : TAB193T 17-DEC-88
30-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config IV(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 124.703 kPa
RMS gauged plenum pressure : 0.358 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.408	0.047	0.012	281.2	283.1	280.7	280.7
3	457.20	-105.00	0.00	124.118	0.014	0.012	281.2	283.1	281.2	281.2
4	457.20	-100.00	0.00	124.041	0.013	0.012	281.2	283.1	280.7	280.7
5	457.20	-95.00	0.00	124.792	0.011	0.012	281.2	283.1	281.3	281.3
6	457.20	-90.00	0.00	124.793	0.011	0.012	281.2	283.1	281.8	281.8
7	457.20	-85.00	0.00	124.884	0.010	0.012	281.2	283.1	281.9	281.9
8	457.20	-80.00	0.00	124.873	0.008	0.012	281.3	283.1	281.9	281.9
9	457.20	-75.00	0.00	124.920	0.009	0.012	281.2	283.1	281.7	281.7
10	457.20	-70.00	0.00	125.078	0.010	0.012	281.2	283.1	281.7	281.7
11	457.20	-65.00	0.00	125.029	0.014	0.012	281.2	283.1	281.2	281.2
12	457.20	-60.00	0.00	124.904	0.134	0.012	281.2	283.1	281.5	281.4
13	457.20	-55.00	0.00	124.855	0.338	0.012	281.2	283.1	281.3	281.0
14	457.20	-50.00	0.00	124.805	0.613	0.012	281.2	283.1	281.4	280.9
15	457.20	-45.00	0.00	124.904	1.281	0.012	281.2	283.0	283.1	282.1

16	457.20	-40.00	0.00	124.924	2.193	0.012	281.2	283.1	283.2	281.4
17	457.20	-35.00	0.00	124.949	2.879	0.012	281.2	283.1	310.1	307.6
18	457.20	-30.00	0.00	125.076	4.164	0.012	281.3	283.1	321.5	317.7
19	457.20	-25.00	0.00	125.164	5.758	0.013	281.3	283.1	310.1	305.1
20	457.20	-20.00	0.00	125.237	7.936	0.012	281.3	283.1	119.5	116.9
21	457.20	-15.00	0.00	125.101	10.473	0.012	281.3	283.1	299.1	290.6
22	457.20	-10.00	0.00	125.036	14.131	0.012	281.3	283.1	183.4	176.5
23	457.20	-5.00	0.00	125.059	19.188	0.012	281.3	283.1	0.0	0.0
24	457.20	0.00	0.00	125.009	26.848	0.012	281.3	283.1	0.0	0.0
25	457.20	5.00	0.00	125.031	37.425	0.012	281.3	283.1	0.0	0.0
26	457.20	10.00	0.00	125.135	50.816	0.012	281.3	283.1	97.3	86.3
27	457.20	15.00	0.00	124.240	65.042	0.012	281.3	283.1	0.0	0.0
28	457.20	20.00	0.00	124.036	75.136	0.012	281.3	283.1	100.5	85.4
29	457.20	25.00	0.00	123.887	74.618	0.012	281.3	283.1	0.0	0.0
30	457.20	30.00	0.00	123.675	64.202	0.013	281.3	283.1	96.1	83.2
31	457.20	35.00	0.00	124.265	50.610	0.012	281.3	283.1	0.0	0.0
32	457.20	40.00	0.00	124.307	37.526	0.012	281.4	283.1	0.0	0.0
33	457.20	45.00	0.00	124.490	28.665	0.012	281.5	283.2	0.0	0.0
34	457.20	50.00	0.00	124.540	21.247	0.013	281.4	283.2	0.0	0.0
35	457.20	55.00	0.00	124.608	15.974	0.012	281.4	283.2	339.5	325.2
36	457.20	60.00	0.00	124.584	12.092	0.012	281.4	283.1	0.0	0.0
37	457.20	65.00	0.00	124.534	9.157	0.012	281.4	283.1	0.0	0.0
38	457.20	70.00	0.00	124.635	6.850	0.013	281.4	283.1	0.0	0.0
39	457.20	75.00	0.00	124.648	5.313	0.012	281.4	283.1	0.0	0.0
40	457.20	80.00	0.00	124.754	3.656	0.013	281.4	283.2	0.0	0.0
41	457.20	85.00	0.00	124.755	2.636	0.013	281.5	283.1	0.0	0.0
42	457.20	90.00	0.00	124.831	1.851	0.016	281.5	283.1	0.0	0.0
43	457.20	95.00	0.00	124.879	1.334	0.012	281.5	283.1	0.0	0.0
44	457.20	100.00	0.00	124.775	0.891	0.014	281.5	283.1	0.0	0.0
45	457.20	105.00	0.00	124.692	0.513	0.016	281.5	283.2	0.0	0.0
46	457.20	110.00	0.00	124.790	0.287	0.016	281.5	283.1	0.0	0.0

File : TAB207T 19-DEC-88
1-DEC-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config IV(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 125.098 kPa
RMS gauged plenum pressure : 0.100 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	124.995	0.040	0.013	282.8	282.8	0.0	0.0
3	457.20	0.00	-97.00	125.031	0.044	0.013	282.7	282.8	0.0	0.0
4	457.20	0.00	-94.00	125.097	0.017	0.013	282.7	282.8	0.0	0.0
5	457.20	0.00	-91.00	125.094	0.038	0.013	282.7	282.9	0.0	0.0
6	457.20	0.00	-88.00	125.081	0.031	0.013	282.7	282.9	0.0	0.0
7	457.20	0.00	-85.00	125.125	0.088	0.014	282.7	282.9	0.0	0.0
8	457.20	0.00	-82.00	125.093	0.319	0.013	282.7	282.9	0.0	0.0
9	457.20	0.00	-79.00	125.075	0.294	0.013	282.7	282.9	0.0	0.0
10	457.20	0.00	-76.00	125.049	0.495	0.012	282.7	282.9	0.0	0.0
11	457.20	0.00	-73.00	125.036	0.836	0.014	282.8	282.9	0.0	0.0
12	457.20	0.00	-70.00	125.013	1.229	0.013	282.8	282.9	0.0	0.0
13	457.20	0.00	-67.00	125.035	1.646	0.012	282.7	282.9	0.0	0.0
14	457.20	0.00	-64.00	125.114	2.158	0.012	282.6	282.9	0.0	0.0
15	457.20	0.00	-61.00	125.132	2.775	0.012	282.6	282.9	0.0	0.0

16	457.20	0.00	-58.00	125.179	3.296	0.012	282.5	282.9	0.0	0.0
17	457.20	0.00	-55.00	125.279	4.333	0.012	282.4	282.9	0.0	0.0
18	457.20	0.00	-52.00	125.338	5.653	0.012	282.4	282.8	0.0	0.0
19	457.20	0.00	-49.00	125.283	6.691	0.012	282.3	282.8	0.0	0.0
20	457.20	0.00	-46.00	125.281	8.080	0.012	282.4	282.9	0.0	0.0
21	457.20	0.00	-43.00	125.259	9.228	0.012	282.4	282.9	0.0	0.0
22	457.20	0.00	-40.00	125.222	10.882	0.012	282.4	282.9	0.0	0.0
23	457.20	0.00	-37.00	125.065	12.864	0.012	282.4	282.8	0.0	0.0
24	457.20	0.00	-34.00	124.958	14.098	0.012	282.4	282.8	0.0	0.0
25	457.20	0.00	-31.00	124.935	16.823	0.012	282.4	282.8	0.0	0.0
26	457.20	0.00	-28.00	124.902	18.064	0.012	282.4	282.8	0.0	0.0
27	457.20	0.00	-25.00	125.008	19.494	0.012	282.3	282.8	0.0	0.0
28	457.20	0.00	-22.00	124.989	21.289	0.011	282.3	282.8	0.0	0.0
29	457.20	0.00	-19.00	125.004	23.035	0.012	282.3	282.8	0.0	0.0
30	457.20	0.00	-16.00	125.114	24.036	0.012	282.3	282.8	0.0	0.0
31	457.20	0.00	-13.00	125.185	25.398	0.012	282.3	282.8	0.0	0.0
32	457.20	0.00	-10.00	125.131	27.136	0.011	282.3	282.8	0.0	0.0
33	457.20	0.00	-7.00	125.129	28.508	0.012	282.2	282.8	0.0	0.0
34	457.20	0.00	-4.00	125.156	28.616	0.011	282.1	282.7	0.0	0.0
35	457.20	0.00	-1.00	125.106	29.305	0.012	282.1	282.8	0.0	0.0
36	457.20	0.00	2.00	125.106	29.959	0.012	282.1	282.8	0.0	0.0
37	457.20	0.00	5.00	125.150	29.783	0.012	282.0	282.7	0.0	0.0
38	457.20	0.00	8.00	125.078	28.286	0.011	282.0	282.7	0.0	0.0
39	457.20	0.00	11.00	125.156	28.073	0.012	282.1	282.7	0.0	0.0
40	457.20	0.00	14.00	125.084	26.391	0.011	282.0	282.7	0.0	0.0
41	457.20	0.00	17.00	125.021	26.067	0.011	282.0	282.8	0.0	0.0
42	457.20	0.00	20.00	124.966	22.876	0.011	281.9	282.8	0.0	0.0

File : TAB217T

7-DEC-88
7-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config IV(a), -14 deg.

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.307 kPa

Mean gauged plenum pressure : 124.000 kPa
RMS gauged plenum pressure : 0.697 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.706	0.012	0.012	282.6	281.8	281.9	281.9
3	457.20	-105.00	0.00	124.732	0.010	0.012	282.6	281.7	282.1	282.1
4	457.20	-100.00	0.00	124.767	0.008	0.013	282.6	281.7	282.1	282.1
5	457.20	-95.00	0.00	124.725	0.008	0.013	282.7	281.8	282.1	282.1
6	457.20	-90.00	0.00	124.732	0.007	0.013	282.7	281.8	282.2	282.2
7	457.20	-85.00	0.00	124.670	0.006	0.012	282.7	281.7	282.3	282.3
8	457.20	-80.00	0.00	124.638	0.005	0.013	282.7	281.7	282.3	282.3
9	457.20	-75.00	0.00	124.403	0.005	0.015	282.7	281.7	282.1	282.1
10	457.20	-70.00	0.00	124.386	0.006	0.013	282.6	281.7	282.2	282.2
11	457.20	-65.00	0.00	124.184	0.009	0.014	282.6	281.7	282.1	282.1
12	457.20	-60.00	0.00	124.230	0.019	0.016	282.6	281.7	281.9	281.9
13	457.20	-55.00	0.00	124.142	0.139	0.012	282.5	281.7	281.9	281.8
14	457.20	-50.00	0.00	124.193	0.570	0.013	282.6	281.7	281.9	281.4
15	457.20	-45.00	0.00	124.077	0.859	0.016	282.6	281.7	281.8	281.1

16	457.20	-40.00	0.00	123.801	1.492	0.016	282.7	281.6	281.7	280.5
17	457.20	-35.00	0.00	123.756	2.233	0.014	282.8	281.7	281.7	279.9
18	457.20	-30.00	0.00	123.773	3.346	0.014	282.8	281.7	281.5	278.8
19	457.20	-25.00	0.00	123.657	5.065	0.018	282.9	281.7	281.3	277.3
20	457.20	-20.00	0.00	123.642	7.118	0.020	282.9	281.8	281.0	275.4
21	457.20	-15.00	0.00	123.635	10.023	0.016	283.1	281.8	280.8	273.1
22	457.20	-10.00	0.00	123.655	14.106	0.023	283.2	281.8	280.4	269.8
23	457.20	-5.00	0.00	123.680	19.597	0.022	283.4	281.8	280.0	265.8
24	457.20	0.00	0.00	123.712	27.175	0.022	283.4	281.8	279.5	260.6
25	457.20	5.00	0.00	123.735	38.287	0.026	283.5	281.8	279.5	254.4
26	457.20	10.00	0.00	123.699	51.559	0.021	283.6	281.8	279.8	248.0
27	457.20	15.00	0.00	123.574	66.323	0.024	283.6	281.8	280.3	241.8
28	457.20	20.00	0.00	123.471	74.140	0.022	283.6	281.8	280.6	238.9
29	457.20	25.00	0.00	123.252	71.312	0.023	283.6	281.8	280.5	239.9
30	457.20	30.00	0.00	122.717	58.722	0.023	283.8	281.8	280.0	244.8
31	457.20	35.00	0.00	122.550	44.963	0.028	283.9	281.7	279.5	250.9
32	457.20	40.00	0.00	122.619	31.396	0.024	284.1	281.8	279.6	258.3
33	457.20	45.00	0.00	125.113	22.673	0.019	284.1	281.8	279.9	263.7
34	457.20	50.00	0.00	125.056	16.003	0.024	284.1	281.8	280.3	268.5
35	457.20	55.00	0.00	124.916	11.562	0.023	284.2	281.8	281.0	272.2
36	457.20	60.00	0.00	124.879	8.209	0.021	284.2	281.7	281.4	275.0
37	457.20	65.00	0.00	124.894	5.829	0.024	284.2	281.8	281.8	277.2
38	457.20	70.00	0.00	124.836	3.900	0.026	284.3	281.8	282.3	279.2
39	457.20	75.00	0.00	124.570	3.210	0.028	284.3	281.8	282.5	279.9
40	457.20	80.00	0.00	124.355	2.389	0.025	284.5	281.8	282.7	280.8
41	457.20	85.00	0.00	123.764	1.486	0.020	284.7	281.8	283.2	282.0
42	457.20	90.00	0.00	123.492	1.328	0.027	284.7	281.8	283.3	282.2
43	457.20	95.00	0.00	123.445	0.747	0.033	284.7	281.8	283.6	283.0
44	457.20	100.00	0.00	123.442	0.569	0.033	284.8	281.8	283.7	283.2
45	457.20	105.00	0.00	123.335	0.318	0.029	284.8	281.8	283.9	283.6
46	457.20	110.00	0.00	123.142	0.161	0.024	284.8	281.8	283.9	283.8

File : TAB230T

15-DEC-88
15-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
CONFIG IV(A), +14 DEG

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 124.846 kPa
RMS gauged plenum pressure : 0.587 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	126.275	0.176	0.016	287.9	282.2	287.2	287.1
3	457.20	-105.00	0.00	126.321	0.132	0.015	287.9	282.2	287.4	287.3
4	457.20	-100.00	0.00	125.055	0.111	0.018	287.7	282.2	287.5	287.4
5	457.20	-95.00	0.00	125.009	0.093	0.018	287.7	282.2	287.4	287.3
6	457.20	-90.00	0.00	124.855	0.074	0.016	287.7	282.1	287.4	287.3
7	457.20	-85.00	0.00	124.797	0.062	0.016	287.7	282.1	287.5	287.4
8	457.20	-80.00	0.00	124.702	0.041	0.015	287.7	282.2	287.4	287.4
9	457.20	-75.00	0.00	124.579	0.050	0.014	287.7	282.1	287.3	287.3
10	457.20	-70.00	0.00	124.433	0.039	0.016	287.8	282.1	287.3	287.3
11	457.20	-65.00	0.00	124.350	0.058	0.015	287.8	282.1	287.3	287.3
12	457.20	-60.00	0.00	124.273	0.212	0.018	287.7	282.1	287.1	286.9
13	457.20	-55.00	0.00	124.227	0.345	0.016	287.6	282.1	286.9	286.6
14	457.20	-50.00	0.00	124.172	0.611	0.020	287.6	282.1	286.8	286.3
15	457.20	-45.00	0.00	124.636	1.018	0.020	287.6	282.1	286.9	286.1

16	457.20	-40.00	0.00	124.695	1.521	0.019	287.7	282.1	287.3	286.0
17	457.20	-35.00	0.00	124.726	2.266	0.019	287.7	282.1	287.4	285.5
18	457.20	-30.00	0.00	124.487	3.250	0.022	287.6	282.1	287.4	284.7
19	457.20	-25.00	0.00	124.499	4.609	0.021	287.6	282.0	287.3	283.6
20	457.20	-20.00	0.00	124.517	6.372	0.023	287.6	282.0	287.3	282.2
21	457.20	-15.00	0.00	124.525	8.667	0.018	287.6	282.0	287.3	280.4
22	457.20	-10.00	0.00	124.518	12.262	0.020	287.7	282.0	287.3	277.8
23	457.20	-5.00	0.00	124.526	16.818	0.018	287.7	282.0	285.8	273.2
24	457.20	0.00	0.00	124.455	24.141	0.021	287.6	282.0	285.4	268.0
25	457.20	5.00	0.00	124.402	32.784	0.018	287.6	282.0	285.5	262.9
26	457.20	10.00	0.00	124.361	45.307	0.021	287.5	281.9	286.8	257.3
27	457.20	15.00	0.00	124.289	60.203	0.020	287.5	281.9	287.1	250.4
28	457.20	20.00	0.00	124.231	72.231	0.026	287.5	281.9	287.0	245.1
29	457.20	25.00	0.00	124.197	74.647	0.024	287.4	281.9	287.0	244.2
30	457.20	30.00	0.00	124.189	66.847	0.023	287.3	281.9	286.9	247.3
31	457.20	35.00	0.00	124.215	54.459	0.025	287.3	281.9	286.9	252.9
32	457.20	40.00	0.00	124.316	41.851	0.021	287.2	281.9	286.8	259.1
33	457.20	45.00	0.00	124.355	31.489	0.026	287.2	281.9	286.8	264.9
34	457.20	50.00	0.00	124.393	23.871	0.026	287.2	281.9	286.8	269.5
35	457.20	55.00	0.00	125.053	18.644	0.026	287.1	281.9	286.5	272.6
36	457.20	60.00	0.00	125.269	14.126	0.027	287.2	281.9	285.4	274.7
37	457.20	65.00	0.00	125.275	10.607	0.026	287.3	281.9	286.3	278.0
38	457.20	70.00	0.00	125.483	7.934	0.031	287.3	281.9	286.7	280.4
39	457.20	75.00	0.00	125.688	6.434	0.029	287.4	281.9	286.9	281.8
40	457.20	80.00	0.00	125.640	4.959	0.025	287.5	281.9	287.0	283.0
41	457.20	85.00	0.00	125.514	3.477	0.028	287.5	281.9	287.0	284.2
42	457.20	90.00	0.00	125.454	2.439	0.030	287.8	282.0	287.2	285.2
43	457.20	95.00	0.00	125.410	1.621	0.028	288.0	282.0	287.3	286.0
44	457.20	100.00	0.00	125.400	1.177	0.028	288.1	282.0	287.4	286.4
45	457.20	105.00	0.00	125.322	0.611	0.026	288.2	281.9	287.3	286.8
46	457.20	110.00	0.00	125.267	0.274	0.022	288.8	282.0	287.4	287.2

File : TAB202T

19-DEC-88
1-DEC-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config IV(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 124.870 kPa
RMS gauged plenum pressure : 0.447 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.125	0.108	0.014	285.2	282.8	0.0	0.0
3	457.20	-105.00	0.00	125.149	0.045	0.015	285.0	282.9	0.0	0.0
4	457.20	-100.00	0.00	125.018	0.016	0.014	284.8	282.9	0.0	0.0
5	457.20	-95.00	0.00	124.942	0.018	0.013	284.8	282.9	0.0	0.0
6	457.20	-90.00	0.00	124.861	0.029	0.014	284.7	283.0	0.0	0.0
7	457.20	-85.00	0.00	124.885	0.074	0.014	284.9	283.1	0.0	0.0
8	457.20	-80.00	0.00	125.065	0.294	0.020	284.9	283.1	0.0	0.0
9	457.20	-75.00	0.00	125.345	0.466	0.019	284.8	283.1	0.0	0.0
10	457.20	-70.00	0.00	125.432	0.891	0.026	284.9	283.1	0.0	0.0
11	457.20	-65.00	0.00	125.450	1.609	0.021	285.1	283.2	0.0	0.0
12	457.20	-60.00	0.00	126.098	2.708	0.022	285.3	283.2	0.0	0.0
13	457.20	-55.00	0.00	125.045	3.847	0.022	285.5	283.2	0.0	0.0
14	457.20	-50.00	0.00	125.059	5.315	0.027	285.6	283.2	0.0	0.0
15	457.20	-45.00	0.00	125.083	7.503	0.025	285.7	283.3	0.0	0.0

16	457.20	-40.00	0.00	124.996	10.232	0.026	285.9	283.3	0.0	0.0
17	457.20	-35.00	0.00	125.010	13.913	0.026	285.7	283.3	0.0	0.0
18	457.20	-30.00	0.00	125.087	17.470	0.029	285.7	283.3	0.0	0.0
19	457.20	-25.00	0.00	125.054	22.257	0.023	285.9	283.3	0.0	0.0
20	457.20	-20.00	0.00	124.381	27.158	0.023	285.8	283.3	0.0	0.0
21	457.20	-15.00	0.00	124.470	33.521	0.024	285.8	283.4	0.0	0.0
22	457.20	-10.00	0.00	124.441	41.017	0.020	285.9	283.3	0.0	0.0
23	457.20	-5.00	0.00	124.426	48.190	0.019	286.0	283.4	0.0	0.0
24	457.20	0.00	0.00	124.334	53.628	0.025	286.2	283.3	0.0	0.0
25	457.20	5.00	0.00	123.890	57.110	0.019	286.1	283.3	0.0	0.0
26	457.20	10.00	0.00	125.106	56.032	0.021	285.8	283.3	0.0	0.0
27	457.20	15.00	0.00	124.998	51.661	0.021	285.7	283.2	0.0	0.0
28	457.20	20.00	0.00	125.066	45.130	0.018	285.8	283.3	286.8	257.4
29	457.20	25.00	0.00	125.226	37.460	0.017	285.8	283.3	0.0	0.0
30	457.20	30.00	0.00	125.201	30.945	0.017	285.9	283.3	0.0	0.0
31	457.20	35.00	0.00	125.287	24.526	0.015	286.1	283.3	0.0	0.0
32	457.20	40.00	0.00	125.301	19.080	0.018	286.2	283.4	0.0	0.0
33	457.20	45.00	0.00	125.179	14.276	0.022	286.2	283.3	0.0	0.0
34	457.20	50.00	0.00	125.036	10.922	0.028	285.7	283.2	0.0	0.0
35	457.20	55.00	0.00	124.690	7.880	0.020	285.5	283.2	0.0	0.0
36	457.20	60.00	0.00	124.649	5.807	0.016	285.4	283.2	0.0	0.0
37	457.20	65.00	0.00	124.584	4.131	0.014	285.6	283.3	0.0	0.0
38	457.20	70.00	0.00	124.550	2.752	0.014	285.9	283.3	0.0	0.0
39	457.20	75.00	0.00	124.527	1.581	0.020	285.9	283.3	0.0	0.0
40	457.20	80.00	0.00	124.500	1.026	0.016	286.0	283.2	0.0	0.0
41	457.20	85.00	0.00	124.542	0.543	0.015	286.0	283.3	0.0	0.0
42	457.20	90.00	0.00	124.467	0.200	0.016	286.0	283.3	0.0	0.0
43	457.20	95.00	0.00	124.486	0.135	0.017	286.0	283.2	0.0	0.0
44	457.20	100.00	0.00	124.595	0.014	0.021	285.7	283.2	0.0	0.0
45	457.20	105.00	0.00	124.662	0.008	0.018	285.6	283.2	0.0	0.0
46	457.20	110.00	0.00	124.761	0.009	0.014	285.6	283.2	0.0	0.0

File : TAB201T 18-DEC-88
1-DEC-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB
Config IV(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.646 kPa

Mean gauged plenum pressure : 124.933 kPa
RMS gauged plenum pressure : 0.470 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	125.160	0.134	0.012	283.0	282.8	0.0	0.0
3	457.20	0.00	-97.00	125.288	0.066	0.012	283.1	282.8	0.0	0.0
4	457.20	0.00	-94.00	125.252	0.153	0.012	283.2	282.8	0.0	0.0
5	457.20	0.00	-91.00	125.133	0.289	0.012	283.1	282.9	0.0	0.0
6	457.20	0.00	-88.00	125.106	0.458	0.012	283.2	282.9	0.0	0.0
7	457.20	0.00	-85.00	125.164	0.580	0.012	283.2	282.9	0.0	0.0
8	457.20	0.00	-82.00	125.114	0.899	0.012	283.2	282.9	0.0	0.0
9	457.20	0.00	-79.00	125.076	1.266	0.014	282.9	282.8	0.0	0.0
10	457.20	0.00	-76.00	125.141	1.680	0.012	283.0	282.8	0.0	0.0
11	457.20	0.00	-73.00	125.158	1.955	0.012	282.9	282.9	0.0	0.0
12	457.20	0.00	-70.00	125.142	2.723	0.013	282.8	282.8	0.0	0.0
13	457.20	0.00	-67.00	125.088	3.615	0.012	283.0	282.8	0.0	0.0
14	457.20	0.00	-64.00	125.059	4.337	0.012	283.0	282.8	0.0	0.0
15	457.20	0.00	-61.00	125.152	5.264	0.012	283.2	282.8	0.0	0.0

16	457.20	0.00	-58.00	125.097	6.522	0.012	283.2	282.8	0.0	0.0
17	457.20	0.00	-55.00	124.933	7.849	0.012	283.2	282.9	0.0	0.0
18	457.20	0.00	-52.00	124.682	9.327	0.012	283.2	282.9	0.0	0.0
19	457.20	0.00	-49.00	124.674	10.595	0.012	283.3	282.8	0.0	0.0
20	457.20	0.00	-46.00	124.638	13.051	0.012	283.4	282.9	0.0	0.0
21	457.20	0.00	-43.00	124.593	14.749	0.012	283.6	282.9	0.0	0.0
22	457.20	0.00	-40.00	124.935	16.984	0.012	283.7	282.9	277.9	265.5
23	457.20	0.00	-37.00	125.363	19.031	0.012	283.8	282.9	0.0	0.0
24	457.20	0.00	-34.00	125.469	21.909	0.013	283.7	282.9	98.7	93.2
25	457.20	0.00	-31.00	125.425	24.667	0.013	283.6	282.9	0.0	0.0
26	457.20	0.00	-28.00	125.445	28.221	0.014	283.5	282.9	0.0	0.0
27	457.20	0.00	-25.00	125.466	32.151	0.014	283.5	282.9	0.0	0.0
28	457.20	0.00	-22.00	125.472	35.454	0.012	283.5	282.9	0.0	0.0
29	457.20	0.00	-19.00	125.276	39.289	0.012	283.4	282.9	105.1	95.5
30	457.20	0.00	-16.00	125.048	43.486	0.012	283.7	283.0	109.8	98.9
31	457.20	0.00	-13.00	124.993	47.174	0.012	283.8	283.0	0.0	0.0
32	457.20	0.00	-10.00	124.973	50.301	0.012	283.8	283.0	0.0	0.0
33	457.20	0.00	-7.00	125.029	52.637	0.013	283.6	283.0	0.0	0.0
34	457.20	0.00	-4.00	125.088	53.815	0.013	283.5	282.9	0.0	0.0
35	457.20	0.00	-1.00	125.009	54.913	0.015	283.4	283.0	0.0	0.0
36	457.20	0.00	2.00	124.590	53.293	0.014	283.5	282.9	0.0	0.0
37	457.20	0.00	5.00	124.448	52.155	0.014	283.5	282.9	0.0	0.0
38	457.20	0.00	8.00	124.359	49.682	0.017	283.6	282.9	0.0	0.0
39	457.20	0.00	11.00	124.334	46.513	0.019	283.6	283.0	0.0	0.0
40	457.20	0.00	14.00	124.280	43.120	0.020	283.6	283.0	0.0	0.0
41	457.20	0.00	17.00	123.673	39.172	0.017	283.8	283.0	0.0	0.0
42	457.20	0.00	20.00	123.695	35.787	0.020	283.9	283.0	165.2	151.2

File : TAB218T

7-DEC-88
7-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config IV(b), -14 deg.

C1 : X/D = 9
C2 : DIAGONAL PROFILE
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.138 kPa

Mean gauged plenum pressure : 125.049 kPa
RMS gauged plenum pressure : 0.485 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.510	0.091	0.024	289.7	282.8	289.0	288.9
3	457.20	-105.00	0.00	124.438	0.036	0.027	289.6	282.8	289.0	289.0
4	457.20	-100.00	0.00	124.421	0.026	0.030	289.5	282.8	288.8	288.8
5	457.20	-95.00	0.00	124.417	0.013	0.032	289.5	282.9	288.8	288.8
6	457.20	-90.00	0.00	124.457	0.014	0.028	289.6	282.9	288.8	288.8
7	457.20	-85.00	0.00	124.643	0.016	0.032	289.8	282.9	288.9	288.9
8	457.20	-80.00	0.00	124.787	0.155	0.031	289.9	283.0	288.6	288.5
9	457.20	-75.00	0.00	124.916	0.474	0.031	290.0	283.0	288.6	288.2
10	457.20	-70.00	0.00	125.017	0.742	0.032	290.2	283.0	288.3	287.7
11	457.20	-65.00	0.00	125.060	1.455	0.029	290.3	283.0	288.3	287.1
12	457.20	-60.00	0.00	125.136	2.352	0.032	290.2	283.0	287.9	286.0
13	457.20	-55.00	0.00	125.066	3.698	0.037	290.0	282.9	287.6	284.6
14	457.20	-50.00	0.00	124.946	4.930	0.037	290.0	282.9	287.3	283.3
15	457.20	-45.00	0.00	124.820	6.776	0.031	290.0	282.9	286.8	281.4

16	457.20	-40.00	0.00	124.742	9.735	0.033	289.8	282.9	286.4	278.8
17	457.20	-35.00	0.00	124.670	13.303	0.027	289.8	282.9	286.0	275.8
18	457.20	-30.00	0.00	124.634	17.325	0.026	290.2	282.8	285.6	272.6
19	457.20	-25.00	0.00	124.658	21.415	0.024	290.8	282.8	285.1	269.4
20	457.20	-20.00	0.00	124.683	27.308	0.023	291.0	282.8	284.9	265.6
21	457.20	-15.00	0.00	124.675	33.679	0.023	290.7	282.8	284.4	261.4
22	457.20	-10.00	0.00	124.654	40.337	0.030	290.6	282.8	284.1	257.4
23	457.20	-5.00	0.00	124.601	47.126	0.024	290.3	282.8	284.1	253.9
24	457.20	0.00	0.00	124.581	53.246	0.035	289.9	282.7	284.2	251.0
25	457.20	5.00	0.00	124.532	56.063	0.034	289.8	282.8	284.3	249.8
26	457.20	10.00	0.00	124.535	55.734	0.025	289.8	282.7	284.4	250.0
27	457.20	15.00	0.00	124.553	51.406	0.021	289.8	282.7	284.3	252.0
28	*457.20*	*20.00*	*0.00*	*124.594*	*44.975*	*0.023*	*289.7*	*282.7*	*283.8*	*254.7*
29	457.20	25.00	0.00	124.610	36.768	0.028	289.7	282.8	283.8	259.1
30	457.20	30.00	0.00	125.654	30.528	0.032	289.8	282.7	283.8	262.6
31	457.20	35.00	0.00	125.709	23.769	0.027	289.9	282.8	284.3	267.2
32	457.20	40.00	0.00	125.724	18.218	0.031	290.0	282.8	284.7	271.2
33	457.20	45.00	0.00	125.678	13.814	0.032	290.2	282.8	285.3	274.7
34	457.20	50.00	0.00	125.728	10.347	0.033	290.3	282.9	285.6	277.5
35	457.20	55.00	0.00	125.726	7.520	0.037	290.3	282.9	286.1	280.1
36	457.20	60.00	0.00	125.685	4.853	0.037	290.5	282.9	286.9	283.0
37	457.20	65.00	0.00	125.692	3.540	0.031	290.8	282.9	287.4	284.5
38	457.20	70.00	0.00	125.641	2.077	0.034	291.0	282.9	287.7	286.0
39	457.20	75.00	0.00	125.625	1.450	0.034	291.0	282.9	288.2	287.0
40	457.20	80.00	0.00	125.579	0.749	0.037	291.3	282.9	288.6	288.0
41	457.20	85.00	0.00	125.607	0.402	0.036	291.3	283.0	288.4	288.1
42	457.20	90.00	0.00	125.586	0.284	0.038	291.2	282.9	288.6	288.4
43	457.20	95.00	0.00	125.547	0.069	0.034	291.2	282.9	289.1	289.0
44	457.20	100.00	0.00	125.530	0.020	0.034	291.2	282.9	289.4	289.4
45	457.20	105.00	0.00	125.530	0.010	0.032	291.4	282.9	290.0	290.0
46	457.20	110.00	0.00	125.533	0.010	0.029	291.5	282.9	290.4	290.4

File : TAB232T 16-DEC-88
16-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB,PLTDMN
Config IV(b), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 125.029 kPa
RMS gauged plenum pressure : 0.867 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.633	0.057	0.013	274.7	279.6	274.9	274.9
3	457.20	-105.00	0.00	126.226	0.014	0.014	274.7	279.9	274.8	274.8
4	457.20	-100.00	0.00	125.531	0.012	0.014	274.8	280.0	274.9	274.9
5	457.20	-95.00	0.00	125.945	0.012	0.013	274.7	280.2	274.8	274.8
6	457.20	-90.00	0.00	124.207	0.029	0.015	274.7	280.3	274.8	274.8
7	457.20	-85.00	0.00	124.367	0.074	0.015	274.7	280.3	274.8	274.7
8	457.20	-80.00	0.00	124.178	0.196	0.017	274.8	280.4	274.8	274.6
9	457.20	-75.00	0.00	123.641	0.287	0.015	274.7	280.4	274.8	274.6
10	457.20	-70.00	0.00	124.024	0.693	0.020	274.7	280.4	274.8	274.2
11	457.20	-65.00	0.00	124.094	1.067	0.021	274.7	280.4	274.8	274.0
12	457.20	-60.00	0.00	124.067	2.054	0.018	274.7	280.4	274.8	273.2
13	457.20	-55.00	0.00	123.829	3.135	0.019	274.7	280.4	274.9	272.4
14	457.20	-50.00	0.00	124.169	4.366	0.021	274.8	280.4	274.8	271.4
15	457.20	-45.00	0.00	123.884	6.297	0.025	274.7	280.4	274.8	270.0

16	457.20	-40.00	0.00	123.891	8.549	0.023	274.7	280.5	274.8	268.3
17	457.20	-35.00	0.00	123.906	11.240	0.023	274.7	280.4	274.8	266.4
18	457.20	-30.00	0.00	123.743	14.149	0.024	274.8	280.5	274.8	264.4
19	457.20	-25.00	0.00	123.868	18.778	0.027	274.8	280.5	274.8	261.4
20	457.20	-20.00	0.00	125.087	24.159	0.024	274.7	280.4	274.8	258.1
21	457.20	-15.00	0.00	125.356	29.655	0.027	274.8	280.4	274.8	254.9
22	457.20	-10.00	0.00	125.521	37.939	0.025	274.8	280.4	274.8	250.3
23	457.20	-5.00	0.00	125.743	44.728	0.029	274.9	280.4	274.8	246.9
24	457.20	0.00	0.00	125.906	51.347	0.027	274.9	280.4	274.7	243.6
25	457.20	5.00	0.00	126.008	55.721	0.026	274.8	280.3	274.7	241.6
26	457.20	10.00	0.00	125.930	56.780	0.027	274.9	280.3	274.7	241.1
27	457.20	15.00	0.00	125.575	54.006	0.023	274.9	280.3	274.6	242.3
28	457.20	20.00	0.00	125.266	48.686	0.025	274.9	280.3	274.6	244.8
29	457.20	25.00	0.00	124.987	42.925	0.026	274.8	280.3	274.6	247.6
30	457.20	30.00	0.00	124.809	35.338	0.026	274.8	280.3	274.6	251.5
31	457.20	35.00	0.00	124.797	28.740	0.023	274.9	280.3	274.6	255.2
32	457.20	40.00	0.00	124.689	22.341	0.024	274.8	280.3	274.6	259.0
33	457.20	45.00	0.00	124.638	17.769	0.020	274.8	280.3	274.7	262.0
34	457.20	50.00	0.00	124.635	13.555	0.021	274.7	280.3	274.6	264.7
35	457.20	55.00	0.00	124.815	9.993	0.024	274.7	280.2	274.5	267.0
36	457.20	60.00	0.00	125.074	7.380	0.021	274.7	280.1	274.6	269.0
37	457.20	65.00	0.00	125.372	5.314	0.025	274.7	280.2	274.6	270.5
38	457.20	70.00	0.00	125.849	3.367	0.022	274.7	280.2	274.6	272.0
39	457.20	75.00	0.00	126.231	2.303	0.024	274.7	280.2	274.5	272.7
40	457.20	80.00	0.00	126.571	1.258	0.025	274.7	280.1	274.6	273.6
41	457.20	85.00	0.00	126.854	1.076	0.023	274.7	280.2	274.6	273.7
42	457.20	90.00	0.00	126.924	0.550	0.019	274.6	280.2	274.6	274.2
43	457.20	95.00	0.00	125.267	0.211	0.019	274.7	280.2	274.6	274.4
44	457.20	100.00	0.00	125.307	0.107	0.020	274.7	280.2	274.6	274.5
45	457.20	105.00	0.00	125.294	0.013	0.019	274.6	280.2	274.6	274.6
46	457.20	110.00	0.00	125.239	0.011	0.019	274.6	280.1	274.6	274.6

File : TAB243T 3-JAN-89
3-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, Config VI(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.596 kPa

Mean gauged plenum pressure : 124.190 kPa
RMS gauged plenum pressure : 0.598 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.673	0.221	0.013	282.2	280.8	282.1	281.9
3	457.20	-105.00	0.00	124.717	0.331	0.014	282.2	280.8	282.2	281.9
4	457.20	-100.00	0.00	124.671	0.749	0.013	282.3	280.8	282.2	281.6
5	457.20	-95.00	0.00	124.513	1.258	0.015	282.3	280.8	282.3	281.3
6	457.20	-90.00	0.00	124.258	2.224	0.014	282.3	280.8	282.3	280.5
7	457.20	-85.00	0.00	123.977	3.088	0.013	282.4	280.8	282.3	279.8
8	457.20	-80.00	0.00	123.792	4.327	0.015	282.3	280.8	282.3	278.8
9	457.20	-75.00	0.00	123.741	6.114	0.016	282.3	280.8	282.3	277.4
10	457.20	-70.00	0.00	123.701	8.047	0.015	282.3	280.8	282.3	276.0
11	457.20	-65.00	0.00	123.771	10.173	0.015	282.3	280.7	282.3	274.4
12	457.20	-60.00	0.00	124.092	12.776	0.014	282.3	280.8	282.3	272.5
13	457.20	-55.00	0.00	124.293	15.404	0.020	282.2	280.7	282.2	270.6
14	457.20	-50.00	0.00	124.535	17.745	0.023	282.3	280.8	282.2	269.0
15	457.20	-45.00	0.00	124.560	19.985	0.017	282.3	280.7	282.2	267.5
16	457.20	-40.00	0.00	124.597	21.901	0.019	282.3	280.7	282.3	266.4

17	457.20	-35.00	0.00	124.570	23.760	0.018	282.4	280.7	282.2	265.1
18	457.20	-30.00	0.00	124.588	25.840	0.025	282.4	280.7	282.3	263.9
19	457.20	-25.00	0.00	124.544	28.856	0.024	282.4	280.7	282.2	262.0
20	457.20	-20.00	0.00	124.508	32.634	0.020	282.4	280.7	282.3	259.9
21	457.20	-15.00	0.00	124.092	37.758	0.024	282.5	280.7	281.7	256.5
22	457.20	-10.00	0.00	124.661	43.202	0.021	282.5	280.7	282.2	254.1
23	457.20	-5.00	0.00	124.326	47.779	0.025	282.5	280.7	282.1	251.7
24	457.20	0.00	0.00	124.274	50.554	0.022	282.5	280.7	282.0	250.2
25	457.20	5.00	0.00	124.188	49.910	0.022	282.5	280.7	282.2	250.7
26	457.20	10.00	0.00	124.205	46.650	0.021	282.5	280.7	281.7	251.9
27	457.20	15.00	0.00	124.163	41.697	0.021	282.6	280.6	281.9	254.6
28	457.20	20.00	0.00	124.186	36.046	0.023	282.6	280.7	281.8	257.5
29	457.20	25.00	0.00	124.115	31.650	0.020	282.6	280.6	282.3	260.5
30	457.20	30.00	0.00	124.232	27.778	0.025	282.6	280.6	282.4	262.9
31	457.20	35.00	0.00	124.299	24.314	0.021	282.6	280.6	282.5	265.1
32	457.20	40.00	0.00	123.447	21.117	0.022	282.6	280.6	282.5	267.1
33	457.20	45.00	0.00	121.861	18.394	0.018	282.6	280.6	282.5	268.9
34	457.20	50.00	0.00	123.486	15.765	0.018	282.7	280.6	282.5	270.6
35	457.20	55.00	0.00	123.843	13.462	0.016	282.7	280.7	282.6	272.3
36	457.20	60.00	0.00	124.051	11.048	0.020	282.8	280.6	282.6	274.1
37	457.20	65.00	0.00	124.372	8.645	0.019	282.8	280.6	282.6	275.8
38	457.20	70.00	0.00	124.568	7.050	0.020	282.8	280.6	282.7	277.1
39	457.20	75.00	0.00	124.201	5.247	0.015	282.8	280.6	282.7	278.5
40	457.20	80.00	0.00	124.029	3.770	0.019	282.8	280.6	282.7	279.6
41	457.20	85.00	0.00	123.322	2.688	0.016	282.9	280.6	282.7	280.5
42	457.20	90.00	0.00	123.290	1.564	0.019	282.8	280.6	282.7	281.4
43	457.20	95.00	0.00	123.713	1.066	0.017	282.8	280.6	282.7	281.8
44	457.20	100.00	0.00	124.213	0.722	0.017	282.8	280.6	282.7	282.1
45	457.20	105.00	0.00	124.886	0.416	0.014	282.8	280.6	282.7	282.4
46	457.20	110.00	0.00	125.882	0.163	0.013	282.9	280.6	282.7	282.6

File : TAB244T 3-JAN-89
3-JAN-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, Config VI(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.562 kPa

Mean gauged plenum pressure : 124.004 kPa
RMS gauged plenum pressure : 0.417 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	123.834	2.242	0.013	283.0	280.5	282.8	281.0
3	457.20	0.00	-58.00	123.777	2.736	0.013	283.0	280.5	282.8	280.6
4	457.20	0.00	-56.00	124.084	3.279	0.013	283.0	280.6	282.8	280.1
5	457.20	0.00	-54.00	124.539	4.064	0.013	283.0	280.6	282.8	279.5
6	457.20	0.00	-52.00	124.326	4.723	0.013	283.0	280.5	282.9	279.1
7	457.20	0.00	-50.00	123.843	5.516	0.014	283.0	280.6	282.9	278.5
8	457.20	0.00	-48.00	124.089	6.453	0.017	283.0	280.5	282.9	277.8
9	457.20	0.00	-46.00	124.113	7.543	0.013	283.0	280.6	282.9	276.9
10	457.20	0.00	-44.00	123.954	8.818	0.012	283.0	280.5	282.9	276.0
11	457.20	0.00	-42.00	123.689	10.190	0.013	283.0	280.5	282.9	275.0
12	457.20	0.00	-40.00	123.483	11.554	0.013	283.0	280.5	283.0	274.1
13	457.20	0.00	-38.00	123.270	12.969	0.013	283.0	280.5	282.9	273.0
14	457.20	0.00	-36.00	124.238	14.925	0.013	283.0	280.5	282.9	271.6
15	457.20	0.00	-34.00	124.135	16.813	0.014	283.1	280.5	282.9	270.3
16	457.20	0.00	-32.00	124.147	18.652	0.014	283.1	280.5	282.9	269.1

17	457.20	0.00	-30.00	123.558	20.828	0.015	283.1	280.5	282.9	267.7
18	457.20	0.00	-28.00	123.990	22.950	0.017	283.0	280.5	282.6	266.0
19	457.20	0.00	-26.00	124.254	25.720	0.013	283.1	280.5	282.9	264.6
20	457.20	0.00	-24.00	124.104	28.176	0.014	283.0	280.5	282.9	263.1
21	457.20	0.00	-22.00	124.166	30.700	0.013	283.1	280.5	282.6	261.3
22	457.20	0.00	-20.00	124.204	33.432	0.013	283.1	280.5	282.6	259.7
23	457.20	0.00	-18.00	124.534	36.448	0.013	283.1	280.5	282.5	257.9
24	457.20	0.00	-16.00	124.503	38.820	0.017	283.1	280.5	282.5	256.7
25	457.20	0.00	-14.00	124.401	41.190	0.013	283.1	280.5	282.4	255.3
26	457.20	0.00	-12.00	124.141	43.600	0.014	283.1	280.5	282.5	254.1
27	457.20	0.00	-10.00	123.771	45.881	0.014	283.1	280.5	282.6	253.1
28	457.20	0.00	-8.00	123.612	47.538	0.017	283.1	280.5	282.5	252.1
29	457.20	0.00	-6.00	123.493	48.509	0.017	283.1	280.5	282.7	251.8
30	457.20	0.00	-4.00	124.072	50.320	0.014	283.1	280.5	282.5	250.8
31	457.20	0.00	-2.00	124.540	50.522	0.017	283.1	280.5	282.6	250.8
32	457.20	0.00	0.00	125.083	51.302	0.018	283.1	280.5	282.1	249.9
33	457.20	0.00	2.00	124.431	50.559	0.021	283.1	280.5	282.5	250.7
34	457.20	0.00	4.00	123.725	48.882	0.019	283.1	280.5	282.6	251.6
35	457.20	0.00	6.00	123.793	47.809	0.019	283.1	280.5	282.6	252.1
36	457.20	0.00	8.00	123.841	46.157	0.022	283.1	280.5	282.3	252.6
37	457.20	0.00	10.00	123.565	43.870	0.021	283.1	280.5	282.0	253.5

File : TAB258T 12-JAN-89
12-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN, -14 DEG
CONFIG VI(A)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 124.845 kPa
RMS gauged plenum pressure : 0.307 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.746	0.232	0.012	283.8	281.2	283.0	282.8
3	457.20	-105.00	0.00	124.659	0.241	0.012	283.8	281.2	282.9	282.7
4	457.20	-100.00	0.00	125.045	0.515	0.012	283.8	281.3	282.8	282.4
5	457.20	-95.00	0.00	125.282	0.898	0.012	283.8	281.3	282.7	282.0
6	457.20	-90.00	0.00	125.193	1.459	0.012	283.8	281.3	283.5	282.3
7	457.20	-85.00	0.00	125.389	2.182	0.013	283.8	281.3	283.8	282.0
8	457.20	-80.00	0.00	124.559	3.577	0.013	283.8	281.3	283.8	280.9
9	457.20	-75.00	0.00	124.472	5.518	0.014	283.8	281.3	283.8	279.4
10	457.20	-70.00	0.00	125.022	6.186	0.013	283.8	281.3	283.8	278.9
11	457.20	-65.00	0.00	124.672	8.816	0.014	283.8	281.3	283.6	276.7
12	457.20	-60.00	0.00	124.658	10.662	0.012	283.8	281.4	283.4	275.2
13	457.20	-55.00	0.00	125.127	12.754	0.013	283.8	281.3	283.3	273.6
14	457.20	-50.00	0.00	125.074	14.616	0.013	283.8	281.3	282.5	271.5
15	457.20	-45.00	0.00	124.964	16.719	0.015	283.8	281.4	280.6	268.3

16	457.20	-40.00	0.00	125.200	18.889	0.014	283.8	281.3	283.1	269.2
17	457.20	-35.00	0.00	125.343	20.615	0.015	283.9	281.4	283.0	268.0
18	457.20	-30.00	0.00	125.445	23.463	0.013	283.9	281.3	283.0	266.2
19	457.20	-25.00	0.00	124.853	26.759	0.014	283.9	281.4	283.1	264.3
20	457.20	-20.00	0.00	124.622	31.098	0.017	283.9	281.3	283.1	261.7
21	457.20	-15.00	0.00	124.599	36.584	0.019	283.9	281.4	281.2	256.9
22	457.20	-10.00	0.00	124.748	42.120	0.015	283.9	281.3	282.6	255.2
23	457.20	-5.00	0.00	124.688	48.240	0.017	283.9	281.4	283.4	252.8
24	457.20	0.00	0.00	124.652	50.464	0.016	284.0	281.4	283.7	252.0
25	457.20	5.00	0.00	124.532	49.184	0.014	283.9	281.4	283.6	252.5
26	457.20	10.00	0.00	124.584	44.289	0.018	284.0	281.3	283.7	255.1
27	457.20	15.00	0.00	124.888	38.090	0.014	283.9	281.4	283.8	258.4
28	457.20	20.00	0.00	125.084	32.694	0.013	283.9	281.4	282.2	260.0
29	457.20	25.00	0.00	125.280	26.830	0.014	283.9	281.4	283.3	264.4
30	457.20	30.00	0.00	125.212	22.673	0.015	283.9	281.4	283.5	267.2
31	457.20	35.00	0.00	125.033	19.557	0.014	283.9	281.4	283.6	269.3
32	457.20	40.00	0.00	125.080	16.079	0.015	283.9	281.4	283.8	271.8
33	457.20	45.00	0.00	125.117	13.695	0.013	283.9	281.4	283.8	273.4
34	457.20	50.00	0.00	125.070	10.973	0.015	283.9	281.4	283.8	275.3
35	457.20	55.00	0.00	124.934	9.169	0.016	284.0	281.4	283.8	276.7
36	457.20	60.00	0.00	124.788	6.829	0.013	283.9	281.4	283.8	278.4
37	457.20	65.00	0.00	124.677	5.841	0.014	283.9	281.5	283.9	279.3
38	457.20	70.00	0.00	124.646	4.005	0.015	283.9	281.5	283.8	280.6
39	457.20	75.00	0.00	124.601	2.560	0.014	284.0	281.4	283.9	281.8
40	457.20	80.00	0.00	124.611	2.156	0.013	284.0	281.4	283.8	282.0
41	457.20	85.00	0.00	124.724	1.100	0.015	284.0	281.4	283.9	283.0
42	457.20	90.00	0.00	124.611	0.888	0.015	284.0	281.4	283.8	283.1
43	457.20	95.00	0.00	124.491	0.544	0.014	284.0	281.4	283.9	283.5
44	457.20	100.00	0.00	124.250	0.270	0.016	284.0	281.4	283.9	283.7
45	457.20	105.00	0.00	124.377	0.078	0.014	284.0	281.4	283.9	283.8
46	457.20	110.00	0.00	124.852	0.011	0.013	284.0	281.4	283.9	283.9

File : TAB234T

16-DEC-88
16-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config VI(a), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 124.889 kPa
RMS gauged plenum pressure : 0.393 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.170	0.112	0.012	280.8	280.2	279.8	279.7
3	457.20	-105.00	0.00	123.942	0.234	0.012	280.9	280.3	280.0	279.8
4	457.20	-100.00	0.00	124.757	0.319	0.012	280.8	280.4	280.0	279.7
5	457.20	-95.00	0.00	125.335	0.772	0.012	280.8	280.5	280.1	279.5
6	457.20	-90.00	0.00	125.387	1.257	0.012	280.7	280.5	280.0	279.0
7	457.20	-85.00	0.00	125.459	2.137	0.012	280.7	280.5	280.1	278.4
8	457.20	-80.00	0.00	125.562	2.782	0.012	280.7	280.6	280.0	277.8
9	457.20	-75.00	0.00	125.604	3.806	0.012	280.8	280.6	280.1	277.1
10	457.20	-70.00	0.00	125.019	5.643	0.012	280.8	280.6	280.1	275.7
11	457.20	-65.00	0.00	125.228	7.284	0.012	280.6	280.7	280.1	274.4
12	457.20	-60.00	0.00	125.359	10.114	0.012	280.4	280.6	279.9	272.2
13	457.20	-55.00	0.00	125.253	12.452	0.012	280.6	280.7	279.9	270.5
14	457.20	-50.00	0.00	125.313	14.739	0.012	280.7	280.8	280.0	269.0
15	457.20	-45.00	0.00	125.423	18.329	0.012	280.5	280.7	279.9	266.5

16	457.20	-40.00	0.00	125.436	20.345	0.012	280.7	280.7	279.9	265.2
17	457.20	-35.00	0.00	125.183	23.578	0.012	280.8	280.7	280.0	263.3
18	457.20	-30.00	0.00	124.934	26.862	0.012	280.6	280.6	280.1	261.4
19	457.20	-25.00	0.00	124.955	30.310	0.012	280.4	280.6	280.0	259.3
20	457.20	-20.00	0.00	124.980	34.812	0.013	280.6	280.6	280.0	256.7
21	457.20	-15.00	0.00	124.962	39.053	0.013	280.4	280.5	279.9	254.3
22	457.20	-10.00	0.00	124.467	43.691	0.012	280.5	280.5	279.9	251.9
23	457.20	-5.00	0.00	124.377	47.516	0.012	280.6	280.5	279.9	250.0
24	457.20	0.00	0.00	124.387	49.663	0.012	280.5	280.5	279.9	249.0
25	457.20	5.00	0.00	124.568	49.350	0.012	280.4	280.6	279.8	249.0
26	457.20	10.00	0.00	124.698	46.733	0.012	280.5	280.6	279.8	250.3
27	457.20	15.00	0.00	124.840	43.062	0.012	280.8	280.6	279.9	252.3
28	457.20	20.00	0.00	124.949	39.023	0.012	280.8	280.6	279.9	254.4
29	457.20	25.00	0.00	125.057	34.779	0.013	280.7	280.6	279.9	256.7
30	457.20	30.00	0.00	125.152	30.827	0.013	280.7	280.6	279.9	258.9
31	457.20	35.00	0.00	125.126	26.682	0.015	280.8	280.6	280.0	261.4
32	457.20	40.00	0.00	124.983	23.314	0.014	280.7	280.5	280.0	263.5
33	457.20	45.00	0.00	124.708	20.196	0.017	280.7	280.6	279.9	265.3
34	457.20	50.00	0.00	124.561	17.084	0.014	280.7	280.6	279.9	267.4
35	457.20	55.00	0.00	124.435	14.020	0.014	280.7	280.6	279.9	269.4
36	457.20	60.00	0.00	124.462	11.309	0.017	280.8	280.5	279.9	271.3
37	457.20	65.00	0.00	124.582	8.816	0.017	280.9	280.5	279.9	273.1
38	457.20	70.00	0.00	124.654	6.888	0.014	281.0	280.5	280.0	274.6
39	457.20	75.00	0.00	124.739	5.197	0.017	280.8	280.5	280.0	275.9
40	457.20	80.00	0.00	124.893	3.996	0.020	280.7	280.5	280.0	276.8
41	457.20	85.00	0.00	124.954	2.626	0.020	280.6	280.5	279.9	277.8
42	457.20	90.00	0.00	124.923	1.832	0.021	280.6	280.5	279.8	278.3
43	457.20	95.00	0.00	124.761	1.120	0.014	280.8	280.5	279.8	278.9
44	457.20	100.00	0.00	124.650	0.638	0.019	280.7	280.5	279.8	279.3
45	457.20	105.00	0.00	124.614	0.366	0.019	280.8	280.5	279.8	279.5
46	457.20	110.00	0.00	124.689	0.166	0.018	280.8	280.5	279.8	279.7

File : TAB251T 4-JAN-89
4-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, Config VI(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.307 kPa

Mean gauged plenum pressure : 124.417 kPa
RMS gauged plenum pressure : 0.371 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.209	0.370	0.021	275.5	279.7	275.4	275.1
3	457.20	-105.00	0.00	123.991	0.710	0.019	275.5	279.6	275.4	274.8
4	457.20	-100.00	0.00	123.860	1.168	0.021	275.6	279.6	275.5	274.6
5	457.20	-95.00	0.00	123.673	1.965	0.021	275.6	279.6	275.5	273.9
6	457.20	-90.00	0.00	123.678	2.584	0.019	275.7	279.7	275.6	273.6
7	457.20	-85.00	0.00	124.114	3.845	0.023	275.6	279.7	275.6	272.6
8	457.20	-80.00	0.00	124.419	5.122	0.018	275.7	279.7	275.7	271.7
9	457.20	-75.00	0.00	124.411	6.977	0.018	275.7	279.7	275.7	270.3
10	457.20	-70.00	0.00	124.585	9.337	0.024	275.7	279.7	275.7	268.6
11	457.20	-65.00	0.00	124.777	11.487	0.024	275.7	279.6	275.6	267.0
12	457.20	-60.00	0.00	124.915	13.672	0.023	275.7	279.5	275.6	265.5
13	457.20	-55.00	0.00	124.984	15.804	0.024	275.8	279.6	275.6	264.1
14	457.20	-50.00	0.00	125.057	17.859	0.021	275.8	279.6	275.7	262.8
15	457.20	-45.00	0.00	125.006	19.085	0.021	275.9	279.6	275.7	262.0
16	457.20	-40.00	0.00	124.937	20.393	0.019	275.8	279.6	275.7	261.2

17	457.20	-35.00	0.00	124.819	21.455	0.020	275.9	279.6	275.7	260.5
18	457.20	-30.00	0.00	124.574	22.704	0.020	275.9	279.6	275.7	259.8
19	457.20	-25.00	0.00	124.359	25.219	0.024	275.9	279.5	275.7	258.2
20	457.20	-20.00	0.00	124.227	28.972	0.022	275.9	279.5	275.7	256.0
21	457.20	-15.00	0.00	124.226	33.732	0.021	275.9	279.5	275.7	253.4
22	457.20	-10.00	0.00	124.044	39.991	0.021	275.9	279.5	275.7	250.0
23	457.20	-5.00	0.00	124.171	44.394	0.018	275.9	279.5	275.7	247.8
24	457.20	0.00	0.00	124.420	48.470	0.022	275.9	279.6	275.8	245.9
25	457.20	5.00	0.00	124.628	47.330	0.023	275.8	279.5	275.8	246.4
26	457.20	10.00	0.00	124.471	43.012	0.022	275.9	279.4	275.7	248.5
27	457.20	15.00	0.00	124.510	37.447	0.021	276.1	279.4	275.8	251.4
28	457.20	20.00	0.00	124.586	31.537	0.022	276.1	279.5	275.8	254.7
29	457.20	25.00	0.00	124.710	27.707	0.020	276.0	279.5	275.7	256.8
30	457.20	30.00	0.00	124.274	24.072	0.021	276.0	279.5	275.8	259.0
31	457.20	35.00	0.00	124.571	22.748	0.021	276.0	279.5	275.8	259.8
32	457.20	40.00	0.00	124.690	20.669	0.026	276.0	279.5	275.8	261.1
33	457.20	45.00	0.00	124.726	19.064	0.025	276.1	279.5	275.8	262.1
34	457.20	50.00	0.00	124.363	17.226	0.022	276.2	279.5	275.9	263.4
35	457.20	55.00	0.00	123.988	15.051	0.025	276.1	279.5	275.9	264.9
36	457.20	60.00	0.00	124.250	13.106	0.025	276.1	279.4	275.9	266.2
37	457.20	65.00	0.00	123.964	11.211	0.021	276.2	279.4	275.9	267.5
38	457.20	70.00	0.00	124.203	8.776	0.021	276.3	279.5	276.0	269.3
39	457.20	75.00	0.00	124.850	6.992	0.019	276.3	279.5	276.0	270.6
40	457.20	80.00	0.00	124.453	5.740	0.021	276.3	279.5	276.0	271.6
41	457.20	85.00	0.00	124.103	4.210	0.023	276.2	279.4	276.0	272.7
42	457.20	90.00	0.00	124.064	2.622	0.024	276.3	279.4	276.0	273.9
43	457.20	95.00	0.00	124.945	2.110	0.024	276.3	279.5	276.0	274.3
44	457.20	100.00	0.00	124.310	1.082	0.021	276.3	279.4	276.0	275.1
45	457.20	105.00	0.00	124.421	0.633	0.021	276.3	279.5	276.0	275.5
46	457.20	110.00	0.00	124.436	0.509	0.018	276.4	279.5	276.1	275.7

File : TAB250T 4-JAN-89
4-JAN-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, Config VI(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.273 kPa

Mean gauged plenum pressure : 124.446 kPa
RMS gauged plenum pressure : 0.490 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	122.954	2.252	0.031	275.0	278.9	275.5	273.7
3	457.20	0.00	-58.00	124.298	2.560	0.043	275.1	279.1	275.5	273.5
4	457.20	0.00	-56.00	124.816	3.218	0.048	275.0	279.3	275.5	273.0
5	457.20	0.00	-54.00	124.800	3.893	0.052	275.0	279.3	275.4	272.4
6	457.20	0.00	-52.00	125.284	4.798	0.056	275.0	279.5	275.4	271.7
7	457.20	0.00	-50.00	124.930	5.461	0.059	275.0	279.6	275.4	271.2
8	457.20	0.00	-48.00	124.590	6.325	0.057	275.1	279.6	275.4	270.5
9	457.20	0.00	-46.00	124.836	7.411	0.057	275.0	279.6	275.4	269.7
10	457.20	0.00	-44.00	124.766	8.575	0.063	275.1	279.6	275.3	268.8
11	457.20	0.00	-42.00	124.432	10.078	0.067	275.1	279.6	275.3	267.7
12	457.20	0.00	-40.00	123.997	11.332	0.065	275.0	279.7	275.3	266.8
13	457.20	0.00	-38.00	123.651	12.807	0.070	275.0	279.8	275.3	265.8
14	457.20	0.00	-36.00	124.423	14.838	0.069	274.9	279.8	275.3	264.4
15	457.20	0.00	-34.00	124.209	16.609	0.067	275.0	279.8	275.3	263.3
16	457.20	0.00	-32.00	124.398	18.356	0.075	275.0	279.8	275.2	262.0

17	457.20	0.00	-30.00	124.692	20.876	0.079	275.0	279.7	275.2	260.4
18	457.20	0.00	-28.00	124.905	23.146	0.077	275.0	279.7	275.3	259.1
19	457.20	0.00	-26.00	125.241	25.525	0.076	275.1	279.7	275.3	257.7
20	457.20	0.00	-24.00	124.489	28.066	0.075	275.1	279.7	275.3	256.2
21	457.20	0.00	-22.00	124.581	30.534	0.064	275.2	279.7	275.3	254.8
22	457.20	0.00	-20.00	124.546	33.090	0.064	275.1	279.7	275.2	253.2
23	457.20	0.00	-18.00	124.402	35.217	0.058	275.2	279.7	275.3	252.2
24	457.20	0.00	-16.00	124.223	38.333	0.057	275.2	279.7	275.2	250.4
25	457.20	0.00	-14.00	124.152	40.456	0.057	275.3	279.8	275.3	249.4
26	457.20	0.00	-12.00	123.959	43.031	0.055	275.2	279.7	275.4	248.2
27	457.20	0.00	-10.00	123.912	44.487	0.049	275.1	279.7	275.4	247.5
28	457.20	0.00	-8.00	123.872	46.094	0.050	275.2	279.8	275.4	246.7
29	457.20	0.00	-6.00	123.827	47.031	0.051	275.2	279.7	275.3	246.1
30	457.20	0.00	-4.00	123.846	48.734	0.046	275.2	279.7	275.3	245.3
31	457.20	0.00	-2.00	124.336	48.584	0.043	275.3	279.7	275.4	245.5
32	457.20	0.00	0.00	124.692	49.217	0.042	275.3	279.8	275.4	245.2
33	457.20	0.00	2.00	124.734	48.478	0.034	275.3	279.7	275.3	245.4
34	457.20	0.00	4.00	124.703	47.711	0.032	275.3	279.8	275.4	245.9
35	457.20	0.00	6.00	124.775	45.540	0.032	275.3	279.7	275.3	246.8
36	457.20	0.00	8.00	124.757	43.939	0.027	275.3	279.7	275.3	247.6
37	457.20	0.00	10.00	124.764	42.256	0.023	275.4	279.7	275.3	248.5

File : TAB263T 16-JAN-89
16-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN, -14 DEG
CONFIG VI(B)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 124.830 kPa
RMS gauged plenum pressure : 0.230 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.689	0.358	0.040	276.1	278.9	276.5	276.2
3	457.20	-105.00	0.00	124.323	0.690	0.038	276.1	279.1	276.4	275.8
4	457.20	-100.00	0.00	124.607	1.206	0.037	276.1	279.2	276.4	275.4
5	457.20	-95.00	0.00	124.882	1.551	0.043	276.1	279.3	276.4	275.2
6	457.20	-90.00	0.00	124.993	2.000	0.044	276.0	279.3	276.3	274.7
7	457.20	-85.00	0.00	124.822	2.856	0.052	276.0	279.5	276.3	274.0
8	457.20	-80.00	0.00	124.949	4.099	0.055	276.0	279.5	276.3	273.1
9	457.20	-75.00	0.00	125.190	6.004	0.055	275.9	279.5	276.2	271.6
10	457.20	-70.00	0.00	125.144	8.368	0.061	275.9	279.5	276.2	269.8
11	457.20	-65.00	0.00	125.204	8.606	0.065	275.9	279.6	276.2	269.7
12	457.20	-60.00	0.00	125.068	11.072	0.065	275.9	279.6	276.1	267.8
13	457.20	-55.00	0.00	124.856	13.299	0.067	275.9	279.6	276.2	266.4
14	457.20	-50.00	0.00	124.639	13.887	0.071	275.9	279.6	276.1	265.9
15	457.20	-45.00	0.00	125.005	15.321	0.073	275.9	279.6	276.1	264.9

16	457.20	-40.00	0.00	124.651	16.625	0.079	275.8	279.6	276.1	264.0
17	457.20	-35.00	0.00	125.161	18.328	0.071	275.8	279.6	276.0	262.8
18	457.20	-30.00	0.00	124.707	20.024	0.071	275.8	279.5	276.0	261.8
19	457.20	-25.00	0.00	125.138	23.345	0.075	275.8	279.5	276.0	259.7
20	457.20	-20.00	0.00	125.018	28.148	0.074	275.8	279.5	276.0	256.8
21	457.20	-15.00	0.00	124.878	34.594	0.071	275.8	279.5	276.0	253.2
22	457.20	-10.00	0.00	125.025	41.205	0.062	275.8	279.6	276.0	249.7
23	457.20	-5.00	0.00	124.838	47.616	0.064	275.8	279.5	275.9	246.4
24	457.20	0.00	0.00	124.676	49.043	0.066	275.8	279.6	276.0	245.8
25	457.20	5.00	0.00	124.819	46.718	0.063	275.9	279.5	276.0	247.0
26	457.20	10.00	0.00	124.754	40.795	0.057	275.8	279.5	276.0	249.9
27	457.20	15.00	0.00	124.838	33.496	0.056	275.8	279.5	275.9	253.7
28	457.20	20.00	0.00	124.890	27.487	0.057	275.8	279.5	275.9	257.1
29	457.20	25.00	0.00	124.884	22.148	0.053	275.8	279.5	275.9	260.3
30	457.20	30.00	0.00	125.047	18.760	0.047	275.7	279.5	275.9	262.5
31	457.20	35.00	0.00	124.606	16.078	0.050	275.7	279.5	275.9	264.2
32	457.20	40.00	0.00	124.672	13.914	0.046	275.7	279.5	275.9	265.7
33	457.20	45.00	0.00	124.707	12.528	0.044	275.7	279.5	275.8	266.5
34	457.20	50.00	0.00	124.671	10.538	0.038	275.8	279.5	275.9	268.0
35	457.20	55.00	0.00	124.881	10.070	0.041	275.7	279.5	275.9	268.3
36	457.20	60.00	0.00	124.625	7.624	0.036	275.7	279.5	275.9	270.1
37	457.20	65.00	0.00	124.854	6.031	0.038	275.7	279.5	275.8	271.1
38	457.20	70.00	0.00	124.629	4.915	0.033	275.7	279.4	275.9	272.1
39	457.20	75.00	0.00	124.677	3.603	0.032	275.7	279.5	275.8	273.0
40	457.20	80.00	0.00	124.625	2.979	0.028	275.7	279.4	275.8	273.5
41	457.20	85.00	0.00	124.577	2.310	0.029	275.7	279.4	275.8	274.0
42	457.20	90.00	0.00	124.696	1.473	0.019	275.7	279.5	275.8	274.6
43	457.20	95.00	0.00	125.057	0.686	0.021	275.7	279.4	275.8	275.3
44	457.20	100.00	0.00	124.815	0.595	0.025	275.8	279.4	275.8	275.3
45	457.20	105.00	0.00	124.624	0.281	0.020	275.8	279.4	275.9	275.7
46	457.20	110.00	0.00	124.931	0.031	0.018	275.7	279.4	275.8	275.8

File : TAB236T 16-DEC-88
16-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config VI(b), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.171 kPa

Mean gauged plenum pressure : 125.049 kPa
RMS gauged plenum pressure : 0.602 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.345	0.228	0.012	280.6	280.0	279.6	279.4
3	457.20	-105.00	0.00	125.400	0.354	0.012	280.4	280.1	279.6	279.3
4	457.20	-100.00	0.00	125.412	0.508	0.012	280.4	280.2	279.7	279.3
5	457.20	-95.00	0.00	125.273	1.095	0.012	280.5	280.2	279.7	278.8
6	457.20	-90.00	0.00	125.829	1.295	0.012	280.4	280.2	279.8	278.8
7	457.20	-85.00	0.00	125.784	2.332	0.012	280.3	280.3	279.8	277.9
8	457.20	-80.00	0.00	125.711	3.422	0.012	280.3	280.4	279.8	277.1
9	457.20	-75.00	0.00	125.502	4.958	0.012	280.3	280.4	279.7	275.8
10	457.20	-70.00	0.00	125.247	5.971	0.012	280.4	280.4	279.8	275.1
11	457.20	-65.00	0.00	125.183	8.768	0.012	280.3	280.4	279.7	272.9
12	457.20	-60.00	0.00	125.194	11.217	0.012	280.4	280.4	279.7	271.2
13	457.20	-55.00	0.00	125.180	13.716	0.012	280.2	280.4	279.7	269.4
14	457.20	-50.00	0.00	125.195	16.435	0.012	280.3	280.4	279.8	267.7
15	457.20	-45.00	0.00	125.364	18.851	0.012	280.2	280.4	279.7	266.0

16	457.20	-40.00	0.00	125.551	21.110	0.012	280.0	280.3	279.6	264.4
17	457.20	-35.00	0.00	125.703	23.477	0.011	280.1	280.3	279.6	262.9
18	457.20	-30.00	0.00	125.855	25.394	0.012	280.2	280.4	279.6	261.8
19	457.20	-25.00	0.00	125.894	28.183	0.012	280.2	280.4	279.6	260.1
20	457.20	-20.00	0.00	125.740	31.621	0.011	280.1	280.4	279.5	258.0
21	457.20	-15.00	0.00	125.758	36.042	0.011	280.0	280.4	279.5	255.6
22	457.20	-10.00	0.00	125.484	41.143	0.012	279.8	280.3	279.4	252.7
23	457.20	-5.00	0.00	125.419	45.570	0.012	279.7	280.3	279.3	250.4
24	457.20	0.00	0.00	125.255	46.752	0.012	279.7	280.3	279.3	249.8
25	457.20	5.00	0.00	125.219	45.491	0.011	279.8	280.3	279.3	250.4
26	457.20	10.00	0.00	125.074	41.897	0.012	279.7	280.3	279.3	252.3
27	457.20	15.00	0.00	124.962	37.562	0.012	279.7	280.3	279.3	254.5
28	457.20	20.00	0.00	125.354	33.297	0.012	279.6	280.3	279.2	256.8
29	457.20	25.00	0.00	125.447	30.206	0.011	279.7	280.3	279.2	258.6
30	457.20	30.00	0.00	125.527	27.369	0.012	279.6	280.3	279.2	260.2
31	457.20	35.00	0.00	125.625	25.582	0.012	279.7	280.3	279.2	261.3
32	457.20	40.00	0.00	124.223	23.159	0.012	279.8	280.3	279.2	262.8
33	457.20	45.00	0.00	124.080	21.083	0.011	279.8	280.3	279.2	264.1
34	457.20	50.00	0.00	124.154	18.204	0.012	279.8	280.3	279.3	266.0
35	457.20	55.00	0.00	124.099	15.585	0.012	279.7	280.2	279.2	267.7
36	457.20	60.00	0.00	123.875	13.235	0.012	279.5	280.2	279.1	269.2
37	457.20	65.00	0.00	123.915	10.357	0.012	279.6	280.3	279.1	271.2
38	457.20	70.00	0.00	124.030	8.621	0.012	279.4	280.2	279.1	272.5
39	457.20	75.00	0.00	124.202	7.045	0.011	279.6	280.2	279.1	273.6
40	457.20	80.00	0.00	124.407	5.234	0.011	279.6	280.2	279.1	275.0
41	457.20	85.00	0.00	124.506	3.520	0.011	279.6	280.3	279.1	276.3
42	457.20	90.00	0.00	124.543	2.250	0.011	279.5	280.2	279.1	277.3
43	457.20	95.00	0.00	124.608	2.077	0.011	279.6	280.2	279.0	277.3
44	457.20	100.00	0.00	124.568	0.951	0.012	279.5	280.2	279.0	278.2
45	457.20	105.00	0.00	124.545	0.620	0.011	279.5	280.2	279.0	278.5
46	457.20	110.00	0.00	124.532	0.351	0.011	279.5	280.2	279.0	278.7

File : TAB238T 2-JAN-89
2-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, Config VII(a)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.239 kPa

Mean gauged plenum pressure : 124.683 kPa
RMS gauged plenum pressure : 0.762 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	128.147	0.416	0.015	284.6	281.3	284.0	283.7
3	457.20	-105.00	0.00	124.902	0.699	0.014	284.8	281.2	284.0	283.4
4	457.20	-100.00	0.00	124.594	1.174	0.014	285.2	281.3	284.3	283.3
5	457.20	-95.00	0.00	122.726	1.960	0.021	284.9	281.2	284.3	282.7
6	457.20	-90.00	0.00	124.074	2.825	0.017	285.0	281.2	284.4	282.1
7	457.20	-85.00	0.00	123.750	3.947	0.020	284.8	281.2	284.3	281.1
8	457.20	-80.00	0.00	123.859	5.843	0.016	285.0	281.1	284.4	279.7
9	457.20	-75.00	0.00	125.442	8.100	0.017	285.0	281.2	284.5	278.1
10	457.20	-70.00	0.00	124.514	9.979	0.023	284.8	281.2	284.4	276.6
11	457.20	-65.00	0.00	125.304	12.801	0.018	284.6	281.1	284.1	274.3
12	457.20	-60.00	0.00	124.196	15.771	0.013	284.6	281.1	284.1	272.2
13	457.20	-55.00	0.00	124.136	18.591	0.014	284.7	281.1	284.0	270.3
14	457.20	-50.00	0.00	123.751	20.722	0.014	284.9	281.1	284.0	268.9
15	457.20	-45.00	0.00	124.243	22.048	0.019	284.9	281.1	284.0	268.0
16	457.20	-40.00	0.00	124.426	23.169	0.020	284.8	281.0	284.0	267.3

17	457.20	-35.00	0.00	124.323	23.858	0.015	285.0	281.1	284.0	266.9
18	457.20	-30.00	0.00	124.689	24.680	0.017	285.3	281.0	284.3	266.6
19	457.20	-25.00	0.00	125.038	26.385	0.025	285.2	281.1	284.3	265.6
20	457.20	-20.00	0.00	125.285	30.277	0.020	285.3	281.1	284.4	263.3
21	457.20	-15.00	0.00	124.801	36.191	0.028	285.5	281.1	284.5	260.1
22	457.20	-10.00	0.00	124.710	43.343	0.023	285.6	281.1	284.7	256.4
23	457.20	-5.00	0.00	124.584	52.827	0.020	285.8	281.1	284.8	251.8
24	457.20	0.00	0.00	124.293	57.879	0.027	285.5	281.1	284.8	249.4
25	457.20	5.00	0.00	123.991	56.343	0.026	285.3	281.1	284.6	249.9
26	457.20	10.00	0.00	124.182	49.957	0.017	285.6	281.1	284.7	253.1
27	457.20	15.00	0.00	124.074	41.360	0.018	285.6	281.1	284.7	257.4
28	457.20	20.00	0.00	124.036	34.039	0.026	285.6	281.0	284.7	261.4
29	457.20	25.00	0.00	124.171	29.099	0.021	285.6	281.1	284.7	264.3
30	457.20	30.00	0.00	124.409	26.043	0.020	285.5	281.1	284.7	266.2
31	457.20	35.00	0.00	124.563	23.916	0.019	285.5	281.0	284.7	267.5
32	457.20	40.00	0.00	124.655	22.548	0.022	285.5	281.0	284.8	268.4
33	457.20	45.00	0.00	124.711	20.789	0.017	285.5	281.0	284.7	269.5
34	457.20	50.00	0.00	124.778	19.187	0.017	285.5	281.0	284.7	270.5
35	457.20	55.00	0.00	124.808	16.527	0.014	285.6	281.0	284.7	272.3
36	457.20	60.00	0.00	124.820	13.992	0.017	285.7	281.0	284.7	274.1
37	457.20	65.00	0.00	125.262	11.291	0.021	285.8	281.0	284.8	276.1
38	457.20	70.00	0.00	125.245	8.886	0.019	285.6	281.0	284.8	277.8
39	457.20	75.00	0.00	125.199	6.847	0.016	285.7	281.1	284.8	279.4
40	457.20	80.00	0.00	125.207	5.016	0.017	285.7	281.0	284.8	280.8
41	457.20	85.00	0.00	125.172	3.763	0.018	285.8	281.0	284.8	281.8
42	457.20	90.00	0.00	125.134	2.500	0.020	285.8	281.0	284.9	282.9
43	457.20	95.00	0.00	125.011	2.021	0.017	285.8	281.0	284.9	283.2
44	457.20	100.00	0.00	124.980	1.294	0.020	285.9	281.0	284.9	283.8
45	457.20	105.00	0.00	125.011	0.657	0.016	286.0	281.0	284.9	284.4
46	457.20	110.00	0.00	125.092	0.326	0.018	285.8	281.0	284.9	284.6

File : TAB237T 2-JAN-89
2-JAN-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, Config VII(a)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.273 kPa

Mean gauged plenum pressure : 124.313 kPa
RMS gauged plenum pressure : 0.759 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	124.739	1.331	0.010	284.9	281.3	283.9	282.8
3	457.20	0.00	-58.00	125.434	1.579	0.011	284.9	281.4	284.0	282.7
4	457.20	0.00	-56.00	125.010	1.963	0.011	285.0	281.5	284.0	282.4
5	457.20	0.00	-54.00	124.450	2.596	0.011	284.8	281.4	284.0	281.9
6	457.20	0.00	-52.00	123.909	3.209	0.011	284.7	281.4	284.0	281.4
7	457.20	0.00	-50.00	122.586	3.909	0.011	284.6	281.3	284.0	280.8
8	457.20	0.00	-48.00	124.158	5.006	0.011	284.5	281.3	283.8	279.8
9	457.20	0.00	-46.00	124.563	5.785	0.011	284.4	281.4	283.8	279.2
10	457.20	0.00	-44.00	124.630	7.258	0.011	284.5	281.4	283.9	278.2
11	457.20	0.00	-42.00	125.484	8.410	0.011	284.6	281.4	283.9	277.3
12	457.20	0.00	-40.00	125.611	10.240	0.011	284.4	281.3	283.9	276.0
13	457.20	0.00	-38.00	125.260	11.763	0.011	284.4	281.3	283.9	274.9
14	457.20	0.00	-36.00	124.505	13.455	0.011	284.5	281.3	283.9	273.7
15	457.20	0.00	-34.00	123.707	15.550	0.011	284.6	281.3	283.9	272.2
16	457.20	0.00	-32.00	123.132	17.768	0.011	284.6	281.4	283.9	270.7

17	457.20	0.00	-30.00	122.873	20.111	0.011	284.4	281.4	283.8	269.1
18	457.20	0.00	-28.00	124.282	22.881	0.011	284.5	281.3	283.8	267.3
19	457.20	0.00	-26.00	123.774	25.571	0.011	284.6	281.4	283.9	265.7
20	457.20	0.00	-24.00	124.271	28.499	0.011	284.7	281.3	283.9	263.9
21	457.20	0.00	-22.00	124.616	32.046	0.011	284.7	281.3	283.9	261.9
22	457.20	0.00	-20.00	124.678	35.501	0.012	284.7	281.3	283.9	259.9
23	457.20	0.00	-18.00	124.713	38.306	0.011	284.8	281.3	284.0	258.4
24	457.20	0.00	-16.00	124.642	41.979	0.012	284.7	281.3	284.0	256.5
25	457.20	0.00	-14.00	124.369	45.047	0.012	284.5	281.2	283.9	254.8
26	457.20	0.00	-12.00	124.069	48.116	0.012	284.6	281.2	283.9	253.3
27	457.20	0.00	-10.00	123.844	50.909	0.012	284.6	281.2	283.9	251.9
28	457.20	0.00	-8.00	123.695	53.573	0.012	284.6	281.2	283.9	250.6
29	457.20	0.00	-6.00	124.459	55.652	0.012	284.7	281.3	283.9	249.7
30	457.20	0.00	-4.00	124.629	57.344	0.012	284.8	281.2	284.0	249.0
31	457.20	0.00	-2.00	124.498	58.026	0.013	284.7	281.2	284.0	248.6
32	457.20	0.00	0.00	123.900	57.467	0.013	284.7	281.2	284.0	248.9
33	457.20	0.00	2.00	124.335	57.368	0.013	284.7	281.2	284.0	248.9
34	457.20	0.00	4.00	124.514	56.390	0.016	284.6	281.2	284.0	249.4
35	457.20	0.00	6.00	124.569	54.797	0.014	284.7	281.3	284.0	250.1
36	457.20	0.00	8.00	124.446	52.745	0.014	284.8	281.2	284.1	251.2
37	457.20	0.00	10.00	124.430	49.721	0.015	284.8	281.2	284.1	252.7

File : TAB255T 12-JAN-89
12-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN, -14 DEG

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 124.921 kPa
RMS gauged plenum pressure : 0.370 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.296	0.412	0.016	284.7	281.2	284.4	284.1
3	457.20	-105.00	0.00	124.555	0.484	0.025	284.8	281.2	284.6	284.2
4	457.20	-100.00	0.00	124.676	0.771	0.021	284.8	281.2	284.6	284.0
5	457.20	-95.00	0.00	124.588	1.655	0.019	284.8	281.2	284.6	283.2
6	457.20	-90.00	0.00	124.507	2.322	0.018	284.7	281.2	284.6	282.7
7	457.20	-85.00	0.00	124.512	3.631	0.018	284.6	281.2	284.5	281.6
8	457.20	-80.00	0.00	125.719	5.129	0.019	284.6	281.2	284.5	280.4
9	457.20	-75.00	0.00	125.595	7.117	0.020	284.6	281.3	284.3	278.7
10	457.20	-70.00	0.00	125.091	9.585	0.024	284.5	281.2	283.4	276.0
11	457.20	-65.00	0.00	125.155	10.712	0.022	284.5	281.2	281.7	273.5
12	457.20	-60.00	0.00	124.883	14.303	0.018	284.5	281.2	282.3	271.5
13	457.20	-55.00	0.00	124.669	16.141	0.022	284.5	281.2	282.9	270.9
14	457.20	-50.00	0.00	124.515	18.214	0.024	284.5	281.2	282.8	269.4
15	457.20	-45.00	0.00	124.597	19.340	0.023	284.4	281.2	284.1	269.9
16	457.20	-40.00	0.00	124.438	21.000	0.023	284.4	281.2	284.2	268.9

17	457.20	-35.00	0.00	124.710	21.859	0.024	284.4	281.2	284.2	268.3
18	457.20	-30.00	0.00	125.101	23.528	0.022	284.4	281.2	283.4	266.5
19	457.20	-25.00	0.00	125.391	25.837	0.018	284.3	281.1	283.7	265.4
20	457.20	-20.00	0.00	125.196	29.893	0.027	284.4	281.1	282.8	262.1
21	457.20	-15.00	0.00	125.357	36.023	0.024	284.4	281.2	278.6	254.8
22	457.20	-10.00	0.00	125.361	44.987	0.022	284.4	281.2	279.4	250.8
23	457.20	-5.00	0.00	125.191	53.917	0.019	284.3	281.2	278.3	245.5
24	457.20	0.00	0.00	124.981	58.739	0.019	284.3	281.2	283.5	247.9
25	457.20	5.00	0.00	124.798	56.819	0.020	284.3	281.2	284.0	249.2
26	457.20	10.00	0.00	124.674	49.862	0.024	284.4	281.2	279.2	248.2
27	457.20	15.00	0.00	124.577	40.791	0.026	284.3	281.2	281.6	255.0
28	457.20	20.00	0.00	124.550	33.593	0.023	284.4	281.2	282.3	259.5
29	457.20	25.00	0.00	124.620	28.261	0.020	284.4	281.2	284.1	264.3
30	457.20	30.00	0.00	125.076	24.561	0.020	284.3	281.2	284.0	266.4
31	457.20	35.00	0.00	125.352	21.827	0.021	284.4	281.2	284.2	268.3
32	457.20	40.00	0.00	125.195	19.319	0.020	284.3	281.2	284.2	270.0
33	457.20	45.00	0.00	125.169	16.759	0.019	284.3	281.2	284.3	271.8
34	457.20	50.00	0.00	125.155	14.112	0.020	284.3	281.2	284.3	273.6
35	457.20	55.00	0.00	125.047	11.809	0.023	284.3	281.2	284.3	275.2
36	457.20	60.00	0.00	124.833	9.612	0.020	284.3	281.2	284.3	276.8
37	457.20	65.00	0.00	124.648	7.110	0.019	284.3	281.2	284.3	278.7
38	457.20	70.00	0.00	124.477	5.754	0.019	284.3	281.2	284.2	279.6
39	457.20	75.00	0.00	124.323	4.646	0.018	284.3	281.2	284.3	280.6
40	457.20	80.00	0.00	124.493	3.649	0.017	284.3	281.3	284.3	281.4
41	457.20	85.00	0.00	124.740	2.274	0.015	284.3	281.3	284.2	282.3
42	457.20	90.00	0.00	125.144	1.516	0.014	284.3	281.3	284.2	283.0
43	457.20	95.00	0.00	125.308	0.864	0.014	284.3	281.2	284.2	283.5
44	457.20	100.00	0.00	125.323	0.599	0.013	284.2	281.3	284.2	283.7
45	457.20	105.00	0.00	125.283	0.353	0.013	284.2	281.3	284.2	283.9
46	457.20	110.00	0.00	125.297	0.100	0.012	284.2	281.3	284.2	284.1

File : TAB233T 16-DEC-88
16-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN
Config VII(a), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 124.399 kPa
RMS gauged plenum pressure : 0.452 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.312	0.255	0.011	278.0	280.1	277.2	277.0
3	457.20	-105.00	0.00	124.258	0.434	0.010	278.0	280.2	277.3	277.0
4	457.20	-100.00	0.00	124.100	0.905	0.011	278.0	280.2	277.5	276.8
5	457.20	-95.00	0.00	125.431	1.113	0.011	278.0	280.2	277.5	276.6
6	457.20	-90.00	0.00	124.555	1.732	0.010	278.0	280.2	277.5	276.1
7	457.20	-85.00	0.00	124.381	2.874	0.011	277.9	280.3	277.5	275.2
8	457.20	-80.00	0.00	124.228	3.790	0.010	278.2	280.3	277.6	274.6
9	457.20	-75.00	0.00	124.009	4.864	0.010	278.3	280.3	277.7	273.9
10	457.20	-70.00	0.00	123.904	6.948	0.011	278.3	280.4	277.7	272.3
11	457.20	-65.00	0.00	123.864	8.348	0.011	278.2	280.3	277.7	271.3
12	457.20	-60.00	0.00	123.913	11.766	0.011	278.2	280.4	277.6	268.8
13	457.20	-55.00	0.00	123.934	12.874	0.011	278.4	280.4	277.7	268.1
14	457.20	-50.00	0.00	124.141	15.710	0.011	278.4	280.4	277.8	266.3
15	457.20	-45.00	0.00	124.605	17.493	0.011	278.4	280.4	277.8	265.1

16	457.20	-40.00	0.00	124.864	19.147	0.011	278.4	280.4	277.7	263.9
17	457.20	-35.00	0.00	124.989	20.871	0.011	278.5	280.4	277.7	262.8
18	457.20	-30.00	0.00	125.239	21.698	0.011	278.3	280.5	277.6	262.2
19	457.20	-25.00	0.00	125.223	25.366	0.011	278.2	280.3	277.6	260.0
20	457.20	-20.00	0.00	124.607	29.737	0.011	278.3	280.3	277.7	257.5
21	457.20	-15.00	0.00	124.365	35.683	0.011	278.1	280.3	277.6	254.1
22	457.20	-10.00	0.00	123.810	44.116	0.011	278.2	280.3	277.6	249.7
23	457.20	-5.00	0.00	123.825	52.300	0.011	278.2	280.3	277.6	245.7
24	457.20	0.00	0.00	124.346	58.282	0.011	278.1	280.3	277.6	243.0
25	457.20	5.00	0.00	124.414	58.102	0.011	278.3	280.3	277.6	243.1
26	457.20	10.00	0.00	124.388	52.278	0.011	278.2	280.2	277.6	245.7
27	457.20	15.00	0.00	124.329	43.428	0.011	278.2	280.2	277.6	250.0
28	457.20	20.00	0.00	124.270	35.514	0.012	278.2	280.2	277.6	254.2
29	457.20	25.00	0.00	124.110	30.191	0.011	278.2	280.2	277.6	257.1
30	457.20	30.00	0.00	124.311	25.515	0.012	278.2	280.2	277.6	259.9
31	457.20	35.00	0.00	124.484	22.728	0.012	278.1	280.2	277.5	261.5
32	457.20	40.00	0.00	124.596	20.703	0.012	278.3	280.2	277.6	262.9
33	457.20	45.00	0.00	124.800	19.187	0.012	278.2	280.2	277.6	263.8
34	457.20	50.00	0.00	124.672	17.411	0.012	278.1	280.2	277.5	264.9
35	457.20	55.00	0.00	124.428	15.281	0.013	278.2	280.2	277.4	266.2
36	457.20	60.00	0.00	124.395	13.671	0.013	278.4	280.2	277.6	267.5
37	457.20	65.00	0.00	124.435	11.174	0.015	278.5	280.2	277.6	269.2
38	457.20	70.00	0.00	124.465	9.402	0.021	278.5	280.3	277.7	270.6
39	457.20	75.00	0.00	124.747	6.887	0.018	278.6	280.3	277.7	272.4
40	457.20	80.00	0.00	124.758	5.632	0.020	278.7	280.3	277.7	273.3
41	457.20	85.00	0.00	124.699	4.061	0.022	278.7	280.3	277.8	274.6
42	457.20	90.00	0.00	124.661	2.965	0.021	278.8	280.3	277.9	275.6
43	457.20	95.00	0.00	124.696	1.940	0.020	278.9	280.3	277.9	276.4
44	457.20	100.00	0.00	124.559	1.324	0.021	279.0	280.3	278.0	276.9
45	457.20	105.00	0.00	123.729	0.846	0.023	279.0	280.3	278.0	277.3
46	457.20	110.00	0.00	123.682	0.333	0.025	279.0	280.2	278.1	277.8

File : TAB247T

3-JAN-89
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Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, Config VII(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.122 kPa

Mean gauged plenum pressure : 123.318 kPa
RMS gauged plenum pressure : 0.331 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	123.590	0.559	0.016	287.1	281.1	286.9	286.4
3	457.20	-105.00	0.00	123.598	0.918	0.015	287.1	281.1	287.0	286.2
4	457.20	-100.00	0.00	123.559	1.477	0.014	287.0	281.1	287.0	285.8
5	457.20	-95.00	0.00	123.549	2.645	0.013	287.0	281.1	286.9	284.7
6	457.20	-90.00	0.00	123.555	3.691	0.014	287.0	281.1	287.0	284.0
7	457.20	-85.00	0.00	123.438	5.200	0.015	287.0	281.1	287.0	282.7
8	457.20	-80.00	0.00	123.449	7.129	0.017	287.0	281.1	286.9	281.1
9	457.20	-75.00	0.00	123.430	9.346	0.013	287.0	281.2	287.0	279.6
10	457.20	-70.00	0.00	123.220	11.365	0.017	287.0	281.1	286.9	278.0
11	457.20	-65.00	0.00	123.248	14.111	0.015	287.0	281.1	286.9	276.0
12	457.20	-60.00	0.00	123.630	16.659	0.016	286.9	281.1	286.9	274.2
13	457.20	-55.00	0.00	123.959	18.666	0.017	286.9	281.1	286.8	272.7
14	457.20	-50.00	0.00	123.226	19.727	0.017	286.9	281.1	286.8	272.0
15	457.20	-45.00	0.00	123.642	20.027	0.015	286.9	281.1	286.9	271.9
16	457.20	-40.00	0.00	123.870	20.044	0.015	286.9	281.1	286.9	271.9

17	457.20	-35.00	0.00	123.940	19.836	0.016	286.9	281.1	286.9	272.0
18	457.20	-30.00	0.00	123.843	20.297	0.014	286.9	281.0	286.9	271.7
19	457.20	-25.00	0.00	123.444	21.476	0.015	286.9	281.1	286.8	270.9
20	457.20	-20.00	0.00	123.105	24.399	0.013	286.9	281.0	286.8	269.0
21	457.20	-15.00	0.00	122.914	28.569	0.014	286.9	281.0	286.7	266.3
22	457.20	-10.00	0.00	123.039	35.452	0.016	286.9	281.1	286.8	262.3
23	457.20	-5.00	0.00	122.952	40.826	0.014	286.9	281.1	286.7	259.3
24	457.20	0.00	0.00	122.967	44.564	0.017	286.9	281.1	286.7	257.3
25	457.20	5.00	0.00	123.134	43.101	0.016	286.9	281.1	286.2	257.6
26	457.20	10.00	0.00	123.447	37.845	0.015	286.9	281.1	286.5	260.7
27	457.20	15.00	0.00	123.776	31.679	0.016	286.9	281.1	286.5	264.3
28	457.20	20.00	0.00	122.725	25.900	0.013	286.9	281.1	286.7	267.9
29	457.20	25.00	0.00	122.817	22.334	0.017	286.9	281.1	286.6	270.1
30	457.20	30.00	0.00	123.098	20.085	0.013	286.9	281.1	286.8	271.8
31	457.20	35.00	0.00	122.970	19.196	0.013	286.9	281.0	286.8	272.4
32	457.20	40.00	0.00	123.005	18.772	0.014	286.9	281.0	286.8	272.7
33	457.20	45.00	0.00	122.988	18.204	0.013	287.1	281.0	286.8	273.0
34	457.20	50.00	0.00	122.941	17.571	0.014	286.9	281.0	286.8	273.5
35	457.20	55.00	0.00	123.036	16.099	0.013	286.9	281.0	286.8	274.5
36	457.20	60.00	0.00	123.057	14.290	0.013	286.9	281.0	286.8	275.7
37	457.20	65.00	0.00	123.025	12.062	0.014	286.8	281.0	286.8	277.3
38	457.20	70.00	0.00	123.097	9.949	0.013	286.8	281.0	286.8	278.9
39	457.20	75.00	0.00	123.289	8.067	0.013	286.9	281.0	286.8	280.3
40	457.20	80.00	0.00	123.509	6.381	0.012	286.8	281.0	286.7	281.5
41	457.20	85.00	0.00	123.684	4.693	0.013	286.8	281.0	286.7	282.9
42	457.20	90.00	0.00	123.399	3.190	0.013	286.8	281.0	286.7	284.1
43	457.20	95.00	0.00	123.445	2.219	0.013	286.7	281.0	286.7	284.9
44	457.20	100.00	0.00	123.520	1.467	0.012	286.8	280.9	286.7	285.5
45	457.20	105.00	0.00	122.991	0.901	0.013	286.7	281.0	286.7	285.9
46	457.20	110.00	0.00	122.973	0.526	0.013	286.7	280.9	286.7	286.3

File : TAB246T

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Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, Config VII(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.156 kPa

Mean gauged plenum pressure : 123.362 kPa
RMS gauged plenum pressure : 0.243 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	123.098	3.198	0.012	286.7	281.4	286.5	283.9
3	457.20	0.00	-58.00	123.103	3.571	0.012	286.7	281.3	286.5	283.6
4	457.20	0.00	-56.00	123.663	4.368	0.012	286.7	281.3	286.5	282.9
5	457.20	0.00	-54.00	123.286	5.191	0.012	286.7	281.4	286.5	282.3
6	457.20	0.00	-52.00	123.584	5.961	0.012	286.7	281.3	286.5	281.7
7	457.20	0.00	-50.00	123.203	6.878	0.013	286.8	281.4	286.6	281.0
8	457.20	0.00	-48.00	123.011	7.985	0.012	286.8	281.3	286.6	280.2
9	457.20	0.00	-46.00	123.202	9.379	0.012	286.8	281.3	286.6	279.1
10	457.20	0.00	-44.00	123.951	10.719	0.012	286.9	281.3	286.7	278.2
11	457.20	0.00	-42.00	123.716	12.406	0.013	286.9	281.3	286.7	277.0
12	457.20	0.00	-40.00	123.547	13.625	0.013	287.0	281.3	286.8	276.2
13	457.20	0.00	-38.00	123.476	15.203	0.013	287.0	281.3	286.8	275.1
14	457.20	0.00	-36.00	123.489	16.872	0.013	287.0	281.4	286.8	273.9
15	457.20	0.00	-34.00	123.744	18.943	0.012	287.1	281.4	286.8	272.5
16	457.20	0.00	-32.00	123.123	20.535	0.013	287.1	281.3	286.9	271.6

17	457.20	0.00	-30.00	123.161	22.079	0.012	287.1	281.4	286.9	270.6
18	457.20	0.00	-28.00	123.241	24.549	0.012	287.1	281.4	286.9	269.0
19	457.20	0.00	-26.00	123.308	26.424	0.012	287.1	281.4	286.9	267.8
20	457.20	0.00	-24.00	123.348	28.436	0.012	287.2	281.4	287.0	266.7
21	457.20	0.00	-22.00	123.317	30.511	0.012	287.1	281.3	287.0	265.4
22	457.20	0.00	-20.00	123.177	32.121	0.012	287.1	281.3	287.0	264.5
23	457.20	0.00	-18.00	123.035	33.967	0.012	287.1	281.3	286.9	263.3
24	457.20	0.00	-16.00	122.904	35.840	0.012	287.1	281.3	286.9	262.2
25	457.20	0.00	-14.00	123.307	37.691	0.013	287.1	281.2	287.0	261.3
26	457.20	0.00	-12.00	123.268	39.123	0.012	287.1	281.3	286.9	260.4
27	457.20	0.00	-10.00	123.233	40.932	0.012	287.2	281.3	286.8	259.3
28	457.20	0.00	-8.00	123.193	42.161	0.013	287.1	281.2	286.4	258.3
29	457.20	0.00	-6.00	123.198	43.022	0.014	287.1	281.3	286.7	258.1
30	457.20	0.00	-4.00	123.274	44.032	0.013	287.2	281.2	286.9	257.8
31	457.20	0.00	-2.00	123.413	44.381	0.012	287.1	281.2	286.7	257.4
32	457.20	0.00	0.00	123.487	44.936	0.013	287.1	281.2	286.6	257.0
33	457.20	0.00	2.00	123.563	44.874	0.012	287.1	281.2	286.3	256.8
34	457.20	0.00	4.00	123.550	44.666	0.013	287.0	281.2	286.3	256.9
35	457.20	0.00	6.00	123.601	44.044	0.014	287.1	281.2	286.4	257.3
36	457.20	0.00	8.00	123.609	43.322	0.014	287.0	281.2	286.6	257.9
37	457.20	0.00	10.00	123.588	41.879	0.015	287.1	281.2	286.6	258.6

File : TAB262T 13-JAN-89
13-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN, -14 DEG
CONFIG VII(B)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.849 kPa

Mean gauged plenum pressure : 125.319 kPa
RMS gauged plenum pressure : 0.404 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.015	0.420	0.033	281.8	280.6	281.7	281.4
3	457.20	-105.00	0.00	125.399	0.805	0.032	281.8	280.7	281.7	281.0
4	457.20	-100.00	0.00	125.507	1.359	0.032	281.9	280.7	281.7	280.6
5	457.20	-95.00	0.00	125.244	1.833	0.030	282.0	280.8	281.8	280.3
6	457.20	-90.00	0.00	125.435	2.891	0.027	282.1	280.7	281.8	279.5
7	457.20	-85.00	0.00	125.328	4.008	0.036	282.1	280.7	281.9	278.7
8	457.20	-80.00	0.00	125.117	5.729	0.033	282.1	280.7	281.9	277.4
9	457.20	-75.00	0.00	125.260	6.884	0.034	282.0	280.7	282.0	276.6
10	457.20	-70.00	0.00	125.273	9.518	0.031	282.1	280.7	281.9	274.6
11	457.20	-65.00	0.00	126.255	10.594	0.032	282.1	280.7	282.0	273.9
12	457.20	-60.00	0.00	125.531	13.301	0.037	282.0	280.8	282.0	272.0
13	457.20	-55.00	0.00	125.052	14.962	0.033	282.1	280.7	281.9	270.8
14	457.20	-50.00	0.00	125.101	16.873	0.033	282.1	280.7	282.0	269.6
15	457.20	-45.00	0.00	125.333	16.924	0.032	282.2	280.7	282.0	269.5

16	457.20	-40.00	0.00	125.159	17.562	0.033	282.3	280.7	282.0	269.1
17	457.20	-35.00	0.00	125.210	18.035	0.029	282.3	280.7	282.0	268.8
18	457.20	-30.00	0.00	125.331	19.208	0.032	282.3	280.7	282.0	268.0
19	457.20	-25.00	0.00	126.066	21.160	0.031	282.4	280.8	282.0	266.8
20	457.20	-20.00	0.00	125.181	24.982	0.029	282.4	280.8	282.0	264.4
21	457.20	-15.00	0.00	125.277	30.675	0.027	282.5	280.8	282.1	261.1
22	457.20	-10.00	0.00	124.975	36.641	0.028	282.6	280.8	282.1	257.7
23	457.20	-5.00	0.00	125.627	42.949	0.028	282.7	280.8	282.2	254.5
24	457.20	0.00	0.00	125.204	45.796	0.026	282.7	280.8	282.2	253.0
25	457.20	5.00	0.00	125.117	44.203	0.025	282.7	280.7	282.3	253.9
26	457.20	10.00	0.00	125.873	38.912	0.023	282.7	280.7	282.3	256.7
27	457.20	15.00	0.00	125.601	31.949	0.022	282.7	280.8	282.3	260.5
28	457.20	20.00	0.00	125.374	26.292	0.028	282.5	280.8	282.2	263.8
29	457.20	25.00	0.00	125.181	22.148	0.021	282.3	280.8	282.1	266.2
30	457.20	30.00	0.00	125.074	19.317	0.018	282.2	280.7	282.1	268.0
31	457.20	35.00	0.00	125.162	17.382	0.015	282.4	280.7	282.1	269.3
32	457.20	40.00	0.00	125.284	15.829	0.016	282.5	280.7	282.1	270.4
33	457.20	45.00	0.00	125.428	14.495	0.018	282.5	280.7	282.1	271.3
34	457.20	50.00	0.00	125.500	13.851	0.019	282.4	280.8	282.0	271.6
35	457.20	55.00	0.00	125.179	10.925	0.021	282.5	280.8	282.1	273.8
36	457.20	60.00	0.00	125.035	9.612	0.020	282.6	280.8	282.1	274.7
37	457.20	65.00	0.00	125.109	8.183	0.020	282.6	280.8	282.2	275.8
38	457.20	70.00	0.00	125.133	6.689	0.018	282.6	280.7	282.2	277.0
39	457.20	75.00	0.00	125.360	4.277	0.016	282.6	280.7	282.3	278.9
40	457.20	80.00	0.00	125.302	3.259	0.017	282.5	280.7	282.2	279.6
41	457.20	85.00	0.00	125.656	2.540	0.018	282.4	280.6	282.2	280.2
42	457.20	90.00	0.00	125.411	1.724	0.013	282.5	280.7	282.2	280.8
43	457.20	95.00	0.00	125.524	1.070	0.018	282.5	280.8	282.1	281.2
44	457.20	100.00	0.00	125.495	0.692	0.018	282.5	280.8	282.1	281.5
45	457.20	105.00	0.00	124.951	0.407	0.020	282.6	280.8	282.1	281.8
46	457.20	110.00	0.00	125.468	0.215	0.013	282.9	280.8	282.3	282.1

File : TAB235T 16-DEC-88
16-DEC-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDEMN
Config VII(b), +14 deg

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.239 kPa

Mean gauged plenum pressure : 124.903 kPa
RMS gauged plenum pressure : 0.715 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	125.240	0.260	0.017	280.8	280.3	279.8	279.6
3	457.20	-105.00	0.00	125.254	0.502	0.017	280.7	280.3	280.0	279.6
4	457.20	-100.00	0.00	125.108	0.820	0.019	280.5	280.3	280.0	279.3
5	457.20	-95.00	0.00	124.743	1.455	0.016	280.5	280.3	279.9	278.7
6	457.20	-90.00	0.00	124.223	2.415	0.014	280.7	280.4	280.0	278.1
7	457.20	-85.00	0.00	123.907	4.055	0.014	280.8	280.4	280.2	277.0
8	457.20	-80.00	0.00	123.804	4.487	0.020	280.4	280.3	280.0	276.4
9	457.20	-75.00	0.00	123.862	6.042	0.019	280.3	280.4	280.0	275.3
10	457.20	-70.00	0.00	123.922	7.582	0.019	280.3	280.4	280.0	274.1
11	457.20	-65.00	0.00	123.873	9.138	0.014	280.5	280.4	279.9	272.9
12	457.20	-60.00	0.00	123.900	11.246	0.016	280.6	280.4	280.0	271.4
13	457.20	-55.00	0.00	123.986	13.146	0.014	280.7	280.4	280.0	270.1
14	457.20	-50.00	0.00	124.017	15.003	0.018	280.5	280.4	280.0	268.8
15	457.20	-45.00	0.00	124.214	15.882	0.021	280.2	280.4	279.9	268.1

16	457.20	-40.00	0.00	124.562	16.795	0.016	280.4	280.4	279.9	267.5
17	457.20	-35.00	0.00	124.679	17.720	0.016	280.3	280.5	279.9	266.9
18	457.20	-30.00	0.00	125.481	19.431	0.017	280.2	280.4	279.9	265.8
19	457.20	-25.00	0.00	125.592	22.139	0.017	280.3	280.4	279.8	264.0
20	457.20	-20.00	0.00	124.746	25.916	0.017	280.3	280.4	279.8	261.7
21	457.20	-15.00	0.00	124.874	31.360	0.018	280.5	280.4	279.9	258.5
22	457.20	-10.00	0.00	124.876	37.672	0.018	280.3	280.3	279.9	255.0
23	457.20	-5.00	0.00	124.815	43.313	0.015	280.4	280.4	279.9	252.1
24	457.20	0.00	0.00	124.818	46.174	0.018	280.3	280.3	279.8	250.6
25	457.20	5.00	0.00	124.784	44.637	0.017	280.3	280.4	279.8	251.3
26	457.20	10.00	0.00	124.639	39.454	0.026	280.2	280.4	279.7	253.9
27	457.20	15.00	0.00	124.541	32.841	0.017	280.2	280.3	279.7	257.5
28	457.20	20.00	0.00	124.438	27.527	0.021	280.1	280.3	279.6	260.5
29	457.20	25.00	0.00	124.896	22.900	0.019	280.2	280.3	279.6	263.3
30	457.20	30.00	0.00	124.965	20.533	0.019	280.2	280.3	279.7	264.9
31	457.20	35.00	0.00	125.069	18.678	0.023	280.2	280.3	279.7	266.1
32	457.20	40.00	0.00	125.144	17.676	0.023	280.4	280.3	279.7	266.8
33	457.20	45.00	0.00	126.487	16.981	0.018	280.6	280.3	279.8	267.3
34	457.20	50.00	0.00	126.593	16.143	0.025	280.6	280.4	279.8	267.9
35	457.20	55.00	0.00	126.651	15.223	0.023	280.6	280.3	279.8	268.5
36	457.20	60.00	0.00	126.601	12.899	0.020	280.5	280.4	279.8	270.1
37	457.20	65.00	0.00	125.217	11.241	0.023	280.4	280.4	279.9	271.4
38	457.20	70.00	0.00	125.198	9.630	0.019	280.4	280.3	279.8	272.4
39	457.20	75.00	0.00	125.163	7.079	0.016	280.5	280.3	279.8	274.3
40	457.20	80.00	0.00	125.214	6.044	0.020	280.6	280.4	279.9	275.2
41	457.20	85.00	0.00	125.155	4.229	0.016	280.5	280.3	279.9	276.5
42	457.20	90.00	0.00	125.252	3.242	0.018	280.4	280.3	279.8	277.2
43	457.20	95.00	0.00	125.974	2.226	0.017	280.5	280.4	279.8	278.0
44	457.20	100.00	0.00	124.784	1.690	0.014	280.5	280.4	279.8	278.4
45	457.20	105.00	0.00	124.779	0.776	0.016	280.5	280.3	279.9	279.3
46	457.20	110.00	0.00	124.788	0.547	0.013	280.5	280.3	279.8	279.4

File : TAB278T

23-JAN-89
23-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, 0 DEG
CONFIG V(C)

C1 : X/D = 9
C2 : HORIZONTAL
C3 :
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 124.717 kPa
RMS gauged plenum pressure : 0.249 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.823	0.049	0.012	278.3	279.0	277.5	277.5
3	457.20	-105.00	0.00	125.015	0.013	0.012	278.2	279.0	277.6	277.6
4	457.20	-100.00	0.00	124.530	0.012	0.012	278.4	279.0	277.7	277.7
5	457.20	-95.00	0.00	124.642	0.011	0.012	278.4	279.0	277.8	277.8
6	457.20	-90.00	0.00	124.590	0.009	0.012	278.5	279.0	277.9	277.9
7	457.20	-85.00	0.00	124.485	0.009	0.012	278.6	279.0	278.0	278.0
8	457.20	-80.00	0.00	124.632	0.007	0.015	278.6	278.9	278.0	278.0
9	457.20	-75.00	0.00	124.740	0.008	0.020	278.6	279.0	278.1	278.1
10	457.20	-70.00	0.00	124.782	0.010	0.019	278.8	279.0	278.1	278.1
11	457.20	-65.00	0.00	124.670	0.052	0.021	278.9	279.0	278.2	278.2
12	457.20	-60.00	0.00	124.891	0.270	0.023	279.0	279.0	278.3	278.1
13	457.20	-55.00	0.00	125.015	0.640	0.027	279.0	279.0	278.4	277.9
14	457.20	-50.00	0.00	124.348	1.272	0.026	279.0	279.0	278.4	277.4
15	457.20	-45.00	0.00	124.549	2.209	0.030	279.2	279.0	278.5	276.7

16	457.20	-40.00	0.00	124.711	3.554	0.024	279.3	279.0	278.6	275.8
17	457.20	-35.00	0.00	125.011	5.779	0.030	279.5	279.0	278.7	274.2
18	457.20	-30.00	0.00	124.663	8.577	0.027	279.7	279.0	278.9	272.3
19	457.20	-25.00	0.00	124.811	12.745	0.033	279.8	279.0	279.0	269.5
20	457.20	-20.00	0.00	124.700	18.233	0.032	279.8	279.0	279.0	265.8
21	457.20	-15.00	0.00	124.736	26.532	0.032	280.0	279.0	279.1	260.7
22	457.20	-10.00	0.00	125.070	35.462	0.028	280.2	279.0	279.2	255.7
23	457.20	-5.00	0.00	124.709	46.101	0.031	280.4	279.0	279.4	250.3
24	457.20	0.00	0.00	124.484	51.995	0.035	280.5	279.0	279.5	247.6
25	457.20	5.00	0.00	124.423	50.433	0.036	280.6	279.0	279.7	248.5
26	457.20	10.00	0.00	125.089	43.360	0.037	280.8	279.0	279.7	252.0
27	457.20	15.00	0.00	124.870	32.099	0.036	280.9	279.0	279.7	258.0
28	457.20	20.00	0.00	124.986	22.970	0.038	281.0	279.0	279.8	263.5
29	457.20	25.00	0.00	124.914	15.735	0.034	280.9	279.0	279.8	268.2
30	457.20	30.00	0.00	124.629	11.010	0.030	281.1	279.0	279.9	271.5
31	457.20	35.00	0.00	124.704	6.664	0.029	281.1	279.0	280.0	274.8
32	457.20	40.00	0.00	124.422	4.073	0.029	281.2	279.1	280.0	276.8
33	457.20	45.00	0.00	124.416	2.593	0.032	281.2	279.0	280.1	278.0
34	457.20	50.00	0.00	124.502	1.435	0.029	281.3	279.1	280.2	279.0
35	457.20	55.00	0.00	124.900	0.789	0.028	281.3	279.0	280.1	279.5
36	457.20	60.00	0.00	124.625	0.380	0.029	281.4	279.0	280.3	280.0
37	457.20	65.00	0.00	124.851	0.147	0.021	281.5	279.1	280.4	280.3
38	457.20	70.00	0.00	125.084	0.012	0.016	281.5	279.1	280.4	280.4
39	457.20	75.00	0.00	124.922	0.008	0.017	281.6	279.1	280.5	280.5
40	457.20	80.00	0.00	124.542	0.007	0.017	281.7	279.1	280.6	280.6
41	457.20	85.00	0.00	124.881	0.008	0.020	281.7	279.1	280.7	280.7
42	457.20	90.00	0.00	124.742	0.008	0.024	281.7	279.1	280.7	280.7
43	457.20	95.00	0.00	124.445	0.009	0.021	281.9	279.1	280.8	280.8
44	457.20	100.00	0.00	124.844	0.008	0.018	281.9	279.1	280.8	280.8
45	457.20	105.00	0.00	124.575	0.009	0.019	282.0	279.1	280.9	280.9
46	457.20	110.00	0.00	124.492	0.009	0.023	282.0	279.1	281.0	281.0

File : TAB277T 23-JAN-89
23-JAN-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTTAB, 0 DEG
CONFIG V(C)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 124.740 kPa
RMS gauged plenum pressure : 0.284 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	124.714	10.654	0.056	274.8	278.7	274.6	266.6
3	457.20	0.00	-58.00	124.422	12.044	0.058	275.0	278.8	274.5	265.6
4	457.20	0.00	-56.00	124.731	13.033	0.059	274.9	278.9	274.6	265.0
5	457.20	0.00	-54.00	124.429	14.555	0.061	274.9	278.9	274.6	264.0
6	457.20	0.00	-52.00	124.684	16.046	0.060	274.9	278.9	274.6	263.0
7	457.20	0.00	-50.00	125.020	17.162	0.066	275.0	279.0	274.7	262.4
8	457.20	0.00	-48.00	124.992	18.865	0.067	275.1	279.0	274.8	261.4
9	457.20	0.00	-46.00	124.894	20.072	0.073	275.2	279.1	274.9	260.7
10	457.20	0.00	-44.00	124.635	21.671	0.073	275.2	279.0	274.9	259.7
11	457.20	0.00	-42.00	124.639	23.449	0.078	275.4	279.0	275.1	258.8
12	457.20	0.00	-40.00	124.669	25.261	0.080	275.5	279.1	275.2	257.8
13	457.20	0.00	-38.00	124.475	26.809	0.083	275.5	279.1	275.2	256.9
14	457.20	0.00	-36.00	124.771	28.725	0.084	275.7	279.1	275.4	255.9
15	457.20	0.00	-34.00	124.851	30.641	0.080	275.7	279.0	275.4	254.8

16	457.20	0.00	-32.00	124.929	32.232	0.079	275.9	279.1	275.5	254.0
17	457.20	0.00	-30.00	125.106	34.128	0.081	276.0	279.1	275.6	253.1
18	457.20	0.00	-28.00	124.705	35.694	0.082	276.0	279.1	275.6	252.2
19	457.20	0.00	-26.00	124.710	37.669	0.077	276.1	279.1	275.7	251.3
20	457.20	0.00	-24.00	124.386	39.217	0.078	276.2	279.1	275.8	250.6
21	457.20	0.00	-22.00	124.769	41.331	0.074	276.3	279.0	275.8	249.5
22	457.20	0.00	-20.00	124.609	42.773	0.074	276.3	279.0	275.8	248.7
23	457.20	0.00	-18.00	124.959	44.597	0.073	276.3	279.1	275.9	247.9
24	457.20	0.00	-16.00	124.910	45.992	0.067	276.4	279.0	275.9	247.2
25	457.20	0.00	-14.00	124.857	47.223	0.071	276.5	279.1	276.1	246.8
26	457.20	0.00	-12.00	124.902	48.264	0.066	276.5	279.1	276.0	246.2
27	457.20	0.00	-10.00	124.327	50.391	0.067	276.6	279.1	276.1	245.3
28	457.20	0.00	-8.00	124.416	50.283	0.065	276.7	279.1	276.2	245.4
29	457.20	0.00	-6.00	124.408	51.011	0.066	276.7	279.0	276.4	245.3
30	457.20	0.00	-4.00	124.892	51.506	0.062	276.9	279.1	276.5	245.1
31	457.20	0.00	-2.00	124.717	52.331	0.057	277.0	279.1	276.6	244.8
32	457.20	0.00	0.00	125.174	52.801	0.054	277.1	279.0	276.5	244.5
33	457.20	0.00	2.00	125.090	52.366	0.050	277.3	279.1	276.6	244.8
34	457.20	0.00	4.00	124.892	52.135	0.049	277.4	279.0	276.7	245.0
35	457.20	0.00	6.00	125.001	51.396	0.046	277.3	279.1	276.6	245.3
36	457.20	0.00	8.00	124.513	50.467	0.041	277.4	279.1	276.6	245.7
37	457.20	0.00	10.00	124.359	49.230	0.038	277.6	279.0	276.8	246.5

File : TAB259T

12-JAN-89
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Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN, +14 DEG
CONFIGURATION V(C)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 124.894 kPa
RMS gauged plenum pressure : 0.311 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.594	0.116	0.018	284.0	281.3	284.0	283.9
3	457.20	-105.00	0.00	125.070	0.078	0.018	284.0	281.4	284.1	284.0
4	457.20	-100.00	0.00	124.775	0.062	0.021	284.0	281.3	284.0	283.9
5	457.20	-95.00	0.00	124.657	0.033	0.020	284.1	281.4	284.0	284.0
6	457.20	-90.00	0.00	124.753	0.016	0.015	284.0	281.4	284.0	284.0
7	457.20	-85.00	0.00	124.742	0.013	0.015	284.0	281.4	283.9	283.9
8	457.20	-80.00	0.00	124.821	0.013	0.016	284.0	281.4	283.6	283.6
9	457.20	-75.00	0.00	124.742	0.013	0.019	284.0	281.4	283.6	283.6
10	457.20	-70.00	0.00	125.020	0.025	0.016	284.0	281.4	283.2	283.2
11	457.20	-65.00	0.00	124.639	0.100	0.015	284.0	281.3	283.0	282.9
12	457.20	-60.00	0.00	125.121	0.298	0.016	284.0	281.4	282.7	282.5
13	457.20	-55.00	0.00	125.172	0.677	0.017	284.0	281.3	282.4	281.8
14	457.20	-50.00	0.00	125.084	1.380	0.016	284.0	281.4	282.3	281.2
15	457.20	-45.00	0.00	125.042	2.338	0.018	284.0	281.4	282.2	280.3

16	457.20	-40.00	0.00	124.736	3.686	0.017	284.0	281.4	284.0	281.0
17	457.20	-35.00	0.00	124.699	6.036	0.019	284.0	281.4	284.0	279.2
18	457.20	-30.00	0.00	124.649	9.296	0.019	284.0	281.3	283.8	276.6
19	457.20	-25.00	0.00	125.471	14.041	0.019	284.0	281.4	283.7	273.1
20	457.20	-20.00	0.00	125.043	20.534	0.017	284.0	281.5	283.2	268.3
21	457.20	-15.00	0.00	125.181	29.535	0.018	284.0	281.4	283.4	262.9
22	457.20	-10.00	0.00	124.846	39.240	0.024	284.0	281.4	283.4	257.4
23	457.20	-5.00	0.00	124.931	49.053	0.017	284.0	281.4	283.8	252.8
24	457.20	0.00	0.00	124.810	52.996	0.017	284.0	281.4	283.9	251.0
25	457.20	5.00	0.00	124.633	49.329	0.018	283.9	281.3	281.9	250.9
26	457.20	10.00	0.00	124.828	40.390	0.017	283.9	281.3	282.2	255.7
27	457.20	15.00	0.00	124.767	29.620	0.015	283.9	281.3	283.5	262.9
28	457.20	20.00	0.00	125.058	20.598	0.013	283.9	281.4	283.6	268.6
29	457.20	25.00	0.00	124.780	14.287	0.013	283.9	281.4	283.7	272.9
30	457.20	30.00	0.00	124.811	9.585	0.013	283.9	281.4	283.5	276.1
31	457.20	35.00	0.00	124.735	6.191	0.016	283.9	281.4	283.6	278.7
32	457.20	40.00	0.00	124.682	3.719	0.016	283.9	281.4	283.7	280.7
33	457.20	45.00	0.00	124.462	2.409	0.017	283.9	281.3	283.7	281.7
34	457.20	50.00	0.00	124.781	1.312	0.014	284.0	281.3	283.7	282.6
35	457.20	55.00	0.00	125.187	0.752	0.018	283.9	281.3	283.7	283.1
36	457.20	60.00	0.00	125.706	0.410	0.018	284.0	281.4	283.7	283.4
37	457.20	65.00	0.00	124.961	0.214	0.015	284.0	281.5	283.7	283.5
38	457.20	70.00	0.00	125.073	0.034	0.017	284.0	281.4	283.8	283.8
39	457.20	75.00	0.00	124.815	0.013	0.017	283.9	281.4	283.7	283.7
40	457.20	80.00	0.00	124.840	0.011	0.018	283.9	281.3	283.7	283.7
41	457.20	85.00	0.00	124.798	0.010	0.015	283.9	281.3	283.8	283.8
42	457.20	90.00	0.00	124.502	0.011	0.013	283.9	281.3	283.8	283.8
43	457.20	95.00	0.00	125.069	0.011	0.014	284.0	281.3	283.8	283.8
44	457.20	100.00	0.00	125.172	0.011	0.015	284.0	281.4	283.9	283.9
45	457.20	105.00	0.00	124.796	0.011	0.012	284.0	281.5	283.9	283.9
46	457.20	110.00	0.00	124.986	0.011	0.013	284.1	281.4	283.9	283.9

File : TAB266T 16-JAN-89
16-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 1.15
DRPTAB, PLTDMN, +14 DEG
CONFIG V(C)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.713 kPa

Mean gauged plenum pressure : 125.043 kPa
RMS gauged plenum pressure : 0.304 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	124.782	0.116	0.013	277.8	279.1	277.8	277.7
3	457.20	-105.00	0.00	124.989	0.063	0.013	277.7	279.2	277.8	277.7
4	457.20	-100.00	0.00	124.836	0.049	0.012	277.7	279.2	277.8	277.8
5	457.20	-95.00	0.00	124.992	0.021	0.012	277.7	279.3	277.8	277.8
6	457.20	-90.00	0.00	125.399	0.014	0.013	277.7	279.4	277.8	277.8
7	457.20	-85.00	0.00	125.249	0.013	0.012	277.6	279.4	277.8	277.8
8	457.20	-80.00	0.00	125.420	0.012	0.012	277.5	279.4	277.8	277.8
9	457.20	-75.00	0.00	125.429	0.017	0.012	277.5	279.4	277.8	277.8
10	457.20	-70.00	0.00	125.167	0.047	0.013	277.5	279.4	277.7	277.7
11	457.20	-65.00	0.00	124.504	0.178	0.013	277.5	279.3	277.7	277.6
12	457.20	-60.00	0.00	125.080	0.432	0.013	277.5	279.4	277.7	277.4
13	457.20	-55.00	0.00	124.740	0.846	0.014	277.5	279.3	277.7	277.0
14	457.20	-50.00	0.00	125.317	1.546	0.016	277.4	279.4	277.6	276.4
15	457.20	-45.00	0.00	125.341	2.456	0.017	277.4	279.4	277.6	275.7

16	457.20	-40.00	0.00	125.118	4.360	0.019	277.4	279.4	277.6	274.2
17	457.20	-35.00	0.00	124.941	6.801	0.015	277.3	279.4	277.5	272.3
18	457.20	-30.00	0.00	124.974	9.856	0.019	277.3	279.4	277.5	270.0
19	457.20	-25.00	0.00	124.998	13.867	0.018	277.3	279.4	277.4	267.2
20	457.20	-20.00	0.00	124.864	20.533	0.018	277.2	279.4	277.2	262.6
21	457.20	-15.00	0.00	125.101	27.853	0.019	277.0	279.4	277.2	258.2
22	457.20	-10.00	0.00	124.971	38.886	0.019	277.0	279.4	277.1	252.0
23	457.20	-5.00	0.00	124.925	46.886	0.015	276.9	279.3	277.0	247.8
24	457.20	0.00	0.00	124.908	51.845	0.015	276.9	279.4	277.0	245.4
25	457.20	5.00	0.00	125.201	50.811	0.017	276.8	279.4	277.0	245.9
26	457.20	10.00	0.00	125.239	41.805	0.014	276.8	279.4	276.9	250.3
27	457.20	15.00	0.00	125.067	32.647	0.014	276.8	279.4	276.9	255.1
28	457.20	20.00	0.00	125.327	23.250	0.015	276.8	279.4	276.8	260.5
29	457.20	25.00	0.00	125.346	16.377	0.017	276.8	279.4	276.8	264.9
30	457.20	30.00	0.00	125.047	11.253	0.016	276.8	279.4	276.7	268.3
31	457.20	35.00	0.00	124.689	6.976	0.020	276.7	279.3	276.6	271.2
32	457.20	40.00	0.00	124.739	4.911	0.015	276.7	279.4	276.6	272.8
33	457.20	45.00	0.00	125.303	2.771	0.018	276.8	279.4	276.6	274.4
34	457.20	50.00	0.00	125.092	1.736	0.019	276.8	279.4	276.6	275.2
35	457.20	55.00	0.00	125.177	0.918	0.019	276.7	279.3	276.6	275.9
36	457.20	60.00	0.00	125.096	0.545	0.020	276.7	279.3	276.6	276.2
37	457.20	65.00	0.00	125.087	0.182	0.015	276.7	279.4	276.7	276.6
38	457.20	70.00	0.00	125.428	0.048	0.021	276.8	279.3	276.7	276.7
39	457.20	75.00	0.00	125.010	0.013	0.018	276.8	279.3	276.8	276.8
40	457.20	80.00	0.00	124.991	0.011	0.018	276.8	279.3	276.8	276.8
41	457.20	85.00	0.00	124.953	0.010	0.017	276.9	279.3	276.8	276.8
42	457.20	90.00	0.00	124.914	0.010	0.016	276.8	279.3	276.9	276.9
43	457.20	95.00	0.00	124.831	0.011	0.017	276.8	279.3	276.8	276.8
44	457.20	100.00	0.00	124.592	0.012	0.014	276.9	279.3	276.9	276.9
45	457.20	105.00	0.00	124.644	0.011	0.015	276.9	279.3	276.9	276.9
46	457.20	110.00	0.00	124.870	0.011	0.015	276.9	279.3	276.9	276.9

CONFIGURATION	X/D_E	T_j/T_o	M_j	HORIZONTAL	VERTICAL	DIAGONAL -14°	DIAGONAL +14°
I - B	15	1	0.8	TAB283T	TAB284T	TAB290T	- - - -
	13	1	0.8	TAB295T	TAB294T	TAB291T	- - - -
	11	1	0.8	TAB298T	TAB299T	TAB305T	- - - -
	9	1	0.8	TAB149T	TAB148T	TAB167T	TAB180T
	7	1	0.8	TAB324T	TAB325T	TAB306T	- - - -
	5	1	0.8	TAB321T	TAB320T	TAB308T	- - - -
	2	1	0.8	TAB316T	TAB317T	TAB313T	- - - -
III - B	15	1	0.8	TAB286T	TAB285T	TAB289T	- - - -
	13	1	0.8	TAB296T	TAB297T	TAB292T	- - - -
	11	1	0.8	TAB301T	TAB300T	TAB304T	- - - -
	9	1	0.8	TAB155T	TAB156T	TAB170T	TAB181T
	7	1	0.8	TAB327T	TAB326T	TAB307T	- - - -
	5	1	0.8	TAB322T	TAB323T	TAB309T	- - - -
	2	1	0.8	TAB319T	TAB318T	TAB311T	- - - -

Figure 11 Effect of Axial Distance on Mixing Modification

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File : TAB283T 27-JAN-89
27-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, DAPTAB
CONFIG I(B)

C1 : X/D = 15
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 51.347 kPa
RMS gauged plenum pressure : 0.142 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	-160.00	0.00	51.305	0.142	0.083	282.2	280.0	282.7	282.6
3	762.00	-152.00	0.00	51.565	0.195	0.087	282.2	279.9	282.7	282.5
4	762.00	-144.00	0.00	51.538	0.273	0.088	282.0	280.0	282.6	282.4
5	762.00	-136.00	0.00	51.572	0.377	0.095	282.0	280.0	282.6	282.3
6	762.00	-128.00	0.00	51.558	0.582	0.093	282.0	280.0	282.5	282.0
7	762.00	-120.00	0.00	51.537	0.663	0.097	282.0	280.0	282.4	281.9
8	762.00	-112.00	0.00	51.329	1.066	0.096	282.0	280.0	282.4	281.5
9	762.00	-104.00	0.00	51.143	1.484	0.094	282.0	280.0	282.4	281.2
10	762.00	-96.00	0.00	51.310	1.910	0.091	282.0	280.1	282.4	280.9
11	762.00	-88.00	0.00	51.231	2.629	0.087	282.0	280.1	282.3	280.2
12	762.00	-80.00	0.00	51.188	3.299	0.084	282.0	280.1	282.2	279.6
13	762.00	-72.00	0.00	51.378	4.137	0.082	282.0	280.1	282.1	278.8
14	762.00	-64.00	0.00	51.551	4.839	0.085	281.9	280.1	282.0	278.2
15	762.00	-56.00	0.00	51.533	5.482	0.087	281.9	280.1	282.0	277.7

16	762.00	-48.00	0.00	51.406	5.915	0.084	281.8	280.1	281.7	277.0
17	762.00	-40.00	0.00	51.426	6.026	0.088	281.9	280.1	282.4	277.6
18	762.00	-32.00	0.00	51.441	5.984	0.084	281.9	280.1	282.1	277.4
19	762.00	-24.00	0.00	51.445	5.796	0.079	281.9	280.1	281.6	277.0
20	762.00	-16.00	0.00	51.423	5.574	0.079	281.9	280.1	281.4	277.0
21	762.00	-8.00	0.00	51.380	5.475	0.072	281.9	280.1	281.9	277.6
22	762.00	0.00	0.00	51.285	5.443	0.074	281.8	280.1	281.7	277.4
23	762.00	8.00	0.00	51.269	5.454	0.068	281.8	280.1	281.5	277.2
24	762.00	16.00	0.00	51.261	5.627	0.066	281.8	280.0	282.0	277.5
25	762.00	24.00	0.00	51.217	5.871	0.062	281.9	280.1	281.6	277.0
26	762.00	32.00	0.00	51.274	6.022	0.050	281.8	280.1	281.6	276.9
27	762.00	40.00	0.00	51.312	6.026	0.051	281.8	280.1	282.7	277.9
28	762.00	48.00	0.00	51.443	5.789	0.049	281.7	280.1	281.5	276.9
29	762.00	56.00	0.00	51.490	5.405	0.051	281.7	280.1	281.1	276.8
30	762.00	64.00	0.00	51.500	4.758	0.046	281.7	280.0	281.5	277.7
31	762.00	72.00	0.00	51.500	4.091	0.040	281.6	280.0	280.9	277.6
32	762.00	80.00	0.00	51.348	3.132	0.037	281.6	280.0	280.8	278.3
33	762.00	88.00	0.00	51.247	2.342	0.038	281.7	280.0	281.5	279.6
34	762.00	96.00	0.00	51.243	1.745	0.030	281.7	280.0	280.7	279.3
35	762.00	104.00	0.00	51.219	1.218	0.028	281.7	280.0	276.6	275.6
36	762.00	112.00	0.00	51.248	0.860	0.030	281.6	280.0	281.5	280.8
37	762.00	120.00	0.00	51.248	0.620	0.022	281.6	280.0	281.7	281.2
38	762.00	128.00	0.00	51.254	0.305	0.020	281.5	280.0	281.6	281.4
39	762.00	136.00	0.00	51.255	0.177	0.016	281.5	279.9	281.6	281.5
40	762.00	144.00	0.00	51.256	0.112	0.015	281.4	279.9	281.5	281.4
41	762.00	152.00	0.00	51.259	0.038	0.014	281.4	279.9	281.6	281.6
42	762.00	160.00	0.00	51.239	0.013	0.012	281.4	279.9	281.6	281.6

File : TAB284T

27-JAN-89
27-JAN-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG I(B)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.510 kPa

Mean gauged plenum pressure : 51.242 kPa
RMS gauged plenum pressure : 0.118 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	0.00	-120.00	51.243	0.046	0.018	281.2	279.8	281.2	281.2
3	762.00	0.00	-116.00	51.218	0.070	0.020	281.2	279.7	281.3	281.2
4	762.00	0.00	-112.00	51.219	0.075	0.017	281.2	279.7	281.3	281.2
5	762.00	0.00	-108.00	51.252	0.107	0.014	281.2	279.8	281.3	281.2
6	762.00	0.00	-104.00	51.260	0.123	0.014	281.2	279.7	281.3	281.2
7	762.00	0.00	-100.00	51.257	0.147	0.015	281.2	279.7	281.3	281.2
8	762.00	0.00	-96.00	51.289	0.227	0.016	281.1	279.7	281.4	281.2
9	762.00	0.00	-92.00	51.307	0.303	0.013	281.1	279.7	281.4	281.2
10	762.00	0.00	-88.00	51.353	0.333	0.013	281.0	279.7	281.3	281.0
11	762.00	0.00	-84.00	51.431	0.432	0.016	281.0	279.7	281.3	280.9
12	762.00	0.00	-80.00	51.504	0.529	0.013	280.9	279.7	281.3	280.9
13	762.00	0.00	-76.00	51.280	0.616	0.013	280.9	279.7	281.2	280.7
14	762.00	0.00	-72.00	51.348	0.780	0.015	280.8	279.6	281.2	280.6
15	762.00	0.00	-68.00	51.302	1.074	0.016	280.8	279.6	281.2	280.3

16	762.00	0.00	-64.00	51.385	1.212	0.015	280.7	279.6	281.1	280.1
17	762.00	0.00	-60.00	51.241	1.400	0.014	280.7	279.6	281.2	280.1
18	762.00	0.00	-56.00	51.221	1.628	0.014	280.7	279.6	280.4	279.1
19	762.00	0.00	-52.00	51.218	1.914	0.013	280.6	279.6	281.4	279.9
20	762.00	0.00	-48.00	51.226	2.005	0.015	280.7	279.6	282.8	281.2
21	762.00	0.00	-44.00	51.273	2.448	0.014	280.6	279.6	280.0	278.0
22	762.00	0.00	-40.00	51.155	2.663	0.014	280.6	279.6	281.1	279.0
23	762.00	0.00	-36.00	51.054	3.129	0.012	280.6	279.6	281.0	278.5
24	762.00	0.00	-32.00	51.252	3.502	0.013	280.6	279.6	305.5	302.5
25	762.00	0.00	-28.00	51.431	3.810	0.013	280.5	279.6	280.6	277.6
26	762.00	0.00	-24.00	51.404	4.168	0.012	280.6	279.6	291.7	288.3
27	762.00	0.00	-20.00	51.177	4.392	0.012	280.5	279.5	278.1	274.6
28	762.00	0.00	-16.00	51.083	4.709	0.013	280.5	279.5	296.8	292.9
29	762.00	0.00	-12.00	51.150	4.807	0.012	280.5	279.5	281.9	278.1
30	762.00	0.00	-8.00	51.171	5.067	0.013	280.5	279.5	278.9	274.9
31	762.00	0.00	-4.00	51.008	5.350	0.012	280.5	279.5	286.7	282.4
32	762.00	0.00	0.00	51.044	5.211	0.012	280.5	279.5	270.8	266.8
33	762.00	0.00	4.00	51.124	5.186	0.013	280.5	279.5	264.9	261.0
34	762.00	0.00	8.00	51.100	5.104	0.014	280.4	279.5	279.9	275.9
35	762.00	0.00	12.00	51.115	4.819	0.013	280.4	279.5	287.8	283.9
36	762.00	0.00	16.00	51.161	4.737	0.014	280.4	279.5	265.5	262.0
37	762.00	0.00	20.00	51.276	4.429	0.015	280.3	279.5	280.1	276.6

File : TAB290T

30-JAN-89
30-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG I(B)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.833 kPa

Mean gauged plenum pressure : 51.022 kPa
RMS gauged plenum pressure : 0.180 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	-160.00	0.00	50.956	0.018	0.012	285.7	280.9	285.3	285.3
3	762.00	-152.00	0.00	50.975	0.024	0.013	285.6	280.9	285.4	285.4
4	762.00	-144.00	0.00	50.969	0.056	0.013	285.6	280.9	285.5	285.5
5	762.00	-136.00	0.00	51.204	0.140	0.014	285.6	280.9	285.5	285.4
6	762.00	-128.00	0.00	51.118	0.266	0.014	285.7	280.9	285.6	285.4
7	762.00	-120.00	0.00	51.226	0.487	0.014	285.7	280.9	285.6	285.2
8	762.00	-112.00	0.00	50.986	0.723	0.014	285.7	280.9	285.6	285.0
9	762.00	-104.00	0.00	50.788	1.142	0.016	285.7	280.9	285.6	284.7
10	762.00	-96.00	0.00	50.761	1.515	0.015	285.7	280.8	285.5	284.2
11	762.00	-88.00	0.00	50.831	2.158	0.016	285.7	280.9	285.5	283.7
12	762.00	-80.00	0.00	51.090	2.912	0.017	285.7	280.8	282.7	280.3
13	762.00	-72.00	0.00	51.220	3.656	0.016	285.7	280.9	274.4	271.5
14	762.00	-64.00	0.00	51.499	4.421	0.015	285.7	280.9	288.4	284.8
15	762.00	-56.00	0.00	51.104	4.888	0.017	285.7	280.9	251.6	248.1

16	762.00	-48.00	0.00	51.124	5.194	0.017	285.7	280.9	285.3	281.1
17	762.00	-40.00	0.00	51.037	5.601	0.020	285.7	280.9	291.2	286.6
18	762.00	-32.00	0.00	50.893	5.658	0.019	285.7	280.8	284.9	280.4
19	762.00	-24.00	0.00	50.769	5.613	0.022	285.8	280.8	286.6	282.1
20	762.00	-16.00	0.00	50.685	5.318	0.017	285.8	280.8	298.2	293.7
21	762.00	-8.00	0.00	51.087	5.264	0.024	285.8	280.8	286.4	282.1
22	762.00	0.00	0.00	51.112	5.177	0.019	285.8	280.8	304.5	300.0
23	762.00	8.00	0.00	51.168	5.261	0.022	285.8	280.8	310.9	306.3
24	762.00	16.00	0.00	51.199	5.468	0.024	285.9	280.8	313.2	308.4
25	762.00	24.00	0.00	51.071	5.577	0.024	285.8	280.8	322.6	317.5
26	762.00	32.00	0.00	51.033	5.694	0.021	285.9	280.8	0.0	0.0
27	762.00	40.00	0.00	50.952	5.505	0.022	285.9	280.8	282.6	278.2
28	762.00	48.00	0.00	50.913	5.273	0.024	285.9	280.8	83.4	82.2
29	762.00	56.00	0.00	50.809	4.899	0.021	285.9	280.8	199.9	197.1
30	762.00	64.00	0.00	50.935	4.062	0.024	285.9	280.8	101.4	100.2
31	762.00	72.00	0.00	51.137	3.233	0.024	285.9	280.8	197.2	195.4
32	762.00	80.00	0.00	51.025	2.698	0.024	285.9	280.8	348.1	345.4
33	762.00	88.00	0.00	51.126	2.120	0.022	285.9	280.8	282.5	280.8
34	762.00	96.00	0.00	51.058	1.496	0.022	286.0	280.8	157.4	156.7
35	762.00	104.00	0.00	51.284	1.189	0.020	286.0	280.8	285.2	284.2
36	762.00	112.00	0.00	51.070	0.805	0.023	286.0	280.8	285.6	284.9
37	762.00	120.00	0.00	50.961	0.430	0.021	286.1	280.8	286.5	286.1
38	762.00	128.00	0.00	50.966	0.238	0.021	286.5	280.8	285.7	285.5
39	762.00	136.00	0.00	50.949	0.190	0.022	286.7	280.8	285.8	285.6
40	762.00	144.00	0.00	50.913	0.076	0.028	286.6	280.8	285.8	285.7
41	762.00	152.00	0.00	50.850	0.052	0.026	287.0	280.8	285.9	285.9
42	762.00	160.00	0.00	50.820	0.013	0.022	286.8	280.8	285.9	285.9

File : TAB295T 1-FEB-89
1-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE'

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, 0 DEG
CONFIG I(B)

C1 : X/D = 13
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.968 kPa

Mean gauged plenum pressure : 50.965 kPa
RMS gauged plenum pressure : 0.157 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	-160.00	0.00	50.713	0.013	0.012	287.0	281.5	286.3	286.3
3	660.40	-152.00	0.00	50.959	0.013	0.011	287.0	281.5	286.4	286.4
4	660.40	-144.00	0.00	50.909	0.014	0.012	287.0	281.5	286.5	286.5
5	660.40	-136.00	0.00	50.916	0.045	0.012	287.0	281.5	286.6	286.6
6	660.40	-128.00	0.00	51.133	0.148	0.012	287.0	281.5	286.7	286.6
7	660.40	-120.00	0.00	51.147	0.369	0.012	287.0	281.5	286.6	286.3
8	660.40	-112.00	0.00	51.132	0.564	0.012	287.0	281.5	286.7	286.2
9	660.40	-104.00	0.00	51.041	0.965	0.012	287.0	281.5	286.7	285.9
10	660.40	-96.00	0.00	50.839	1.555	0.012	287.1	281.4	286.7	285.4
11	660.40	-88.00	0.00	50.495	2.294	0.012	287.1	281.4	286.3	284.4
12	660.40	-80.00	0.00	51.103	3.142	0.012	287.1	281.4	286.7	284.1
13	660.40	-72.00	0.00	50.853	3.930	0.012	287.1	281.5	286.3	283.1
14	660.40	-64.00	0.00	50.814	5.399	0.012	287.2	281.5	288.1	283.7
15	660.40	-56.00	0.00	50.930	6.501	0.012	287.2	281.5	286.0	280.8

16	660.40	-48.00	0.00	51.061	7.157	0.012	287.1	281.5	295.5	289.6
17	660.40	-40.00	0.00	51.171	7.757	0.012	287.1	281.5	285.8	279.6
18	660.40	-32.00	0.00	50.949	7.700	0.012	287.0	281.4	280.9	274.9
19	660.40	-24.00	0.00	50.923	7.449	0.012	287.0	281.4	284.9	279.0
20	660.40	-16.00	0.00	50.831	6.965	0.012	287.0	281.4	284.4	278.9
21	660.40	-8.00	0.00	50.938	6.669	0.012	287.0	281.4	295.3	289.8
22	660.40	0.00	0.00	50.819	6.495	0.012	287.1	281.4	282.1	277.0
23	660.40	8.00	0.00	50.784	6.470	0.012	287.1	281.4	289.8	284.5
24	660.40	16.00	0.00	50.788	6.954	0.012	287.1	281.4	0.0	0.0
25	660.40	24.00	0.00	50.968	7.552	0.013	287.0	281.4	0.0	0.0
26	660.40	32.00	0.00	50.994	8.011	0.012	287.1	281.4	108.4	106.0
27	660.40	40.00	0.00	51.070	7.939	0.014	287.2	281.4	0.0	0.0
28	660.40	48.00	0.00	51.140	7.340	0.013	287.2	281.3	0.0	0.0
29	660.40	56.00	0.00	50.986	6.588	0.013	287.2	281.4	0.0	0.0
30	660.40	64.00	0.00	51.001	5.206	0.014	287.2	281.4	0.0	0.0
31	660.40	72.00	0.00	51.024	4.183	0.014	287.3	281.4	0.0	0.0
32	660.40	80.00	0.00	51.004	2.896	0.014	287.7	281.4	0.0	0.0
33	660.40	88.00	0.00	50.953	2.157	0.016	288.2	281.4	103.8	103.2
34	660.40	96.00	0.00	50.973	1.323	0.014	288.3	281.4	0.0	0.0
35	660.40	104.00	0.00	50.986	0.866	0.015	288.2	281.3	0.0	0.0
36	660.40	112.00	0.00	51.030	0.676	0.017	288.1	281.4	0.0	0.0
37	660.40	120.00	0.00	51.060	0.320	0.013	287.7	281.3	0.0	0.0
38	660.40	128.00	0.00	51.112	0.172	0.017	287.6	281.4	0.0	0.0
39	660.40	136.00	0.00	51.172	0.057	0.019	287.4	281.4	0.0	0.0
40	660.40	144.00	0.00	50.833	0.030	0.016	287.5	281.4	0.0	0.0
41	660.40	152.00	0.00	50.863	0.014	0.018	287.4	281.4	0.0	0.0
42	660.40	160.00	0.00	50.858	0.013	0.021	287.5	281.4	0.0	0.0

File : TAB294T 1-FEB-89
1-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB, 90 DEG
CONFIG I(B)

C1 : X/D = 13
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.968 kPa

Mean gauged plenum pressure : 51.043 kPa
RMS gauged plenum pressure : 0.221 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	0.00	-120.00	51.160	0.136	0.036	284.3	280.9	284.1	284.0
3	660.40	0.00	-116.00	51.180	0.138	0.038	284.3	280.9	284.1	284.0
4	660.40	0.00	-112.00	51.194	0.130	0.037	284.2	280.9	284.1	284.0
5	660.40	0.00	-108.00	51.103	0.128	0.039	284.3	280.9	284.1	284.0
6	660.40	0.00	-104.00	50.954	0.131	0.042	284.2	280.9	284.1	284.0
7	660.40	0.00	-100.00	50.975	0.150	0.036	284.2	280.9	284.1	284.0
8	660.40	0.00	-96.00	50.877	0.180	0.046	284.3	280.9	284.1	284.0
9	660.40	0.00	-92.00	51.000	0.194	0.045	284.3	281.0	284.1	283.9
10	660.40	0.00	-88.00	51.148	0.231	0.050	284.3	281.0	284.1	283.9
11	660.40	0.00	-84.00	51.212	0.309	0.050	284.2	281.0	284.1	283.8
12	660.40	0.00	-80.00	51.248	0.387	0.048	284.2	281.0	284.1	283.8
13	660.40	0.00	-76.00	51.508	0.498	0.049	284.2	281.0	284.1	283.7
14	660.40	0.00	-72.00	51.001	0.595	0.048	284.2	281.0	284.1	283.6
15	660.40	0.00	-68.00	50.839	0.807	0.051	284.2	281.0	284.1	283.4

16	660.40	0.00	-64.00	51.172	0.942	0.045	284.2	281.0	284.1	283.3
17	660.40	0.00	-60.00	51.290	1.085	0.044	284.2	281.0	284.1	283.2
18	660.40	0.00	-56.00	51.167	1.309	0.047	284.2	281.0	284.1	283.0
19	660.40	0.00	-52.00	51.014	1.664	0.050	284.2	281.0	284.1	282.7
20	660.40	0.00	-48.00	51.032	1.957	0.051	284.2	281.0	284.1	282.5
21	660.40	0.00	-44.00	50.822	2.357	0.052	284.2	281.0	284.1	282.2
22	660.40	0.00	-40.00	50.842	2.744	0.051	284.2	281.0	284.1	281.9
23	660.40	0.00	-36.00	50.597	3.148	0.044	284.2	281.0	284.1	281.5
24	660.40	0.00	-32.00	51.107	3.559	0.046	284.1	281.0	284.1	281.2
25	660.40	0.00	-28.00	51.303	4.162	0.039	284.1	281.0	284.0	280.6
26	660.40	0.00	-24.00	51.006	4.889	0.041	284.1	281.0	284.0	280.1
27	660.40	0.00	-20.00	51.182	5.201	0.042	284.1	280.9	284.0	279.8
28	660.40	0.00	-16.00	51.185	5.534	0.043	284.1	280.9	284.0	279.6
29	660.40	0.00	-12.00	51.087	5.865	0.042	284.1	281.0	284.0	279.3
30	660.40	0.00	-8.00	50.981	6.151	0.032	284.2	280.9	284.0	279.1
31	660.40	0.00	-4.00	50.992	6.422	0.035	284.2	280.9	283.9	278.8
32	660.40	0.00	0.00	51.024	6.443	0.030	284.2	280.9	283.9	278.8
33	660.40	0.00	4.00	50.927	6.382	0.029	284.2	280.9	284.0	278.9
34	660.40	0.00	8.00	50.902	6.242	0.029	284.2	280.9	283.8	278.8
35	660.40	0.00	12.00	50.996	5.986	0.025	284.3	280.9	283.8	279.0
36	660.40	0.00	16.00	51.139	5.656	0.023	284.3	280.9	283.7	279.2
37	660.40	0.00	20.00	51.144	5.173	0.025	284.3	280.9	283.4	279.3

File : TAB291T 31-JAN-89
31-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG I(B)

C1 : X/D = 13
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.070 kPa

Mean gauged plenum pressure : 51.063 kPa
RMS gauged plenum pressure : 0.182 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	-160.00	0.00	50.640	0.048	0.031	277.9	279.3	278.0	278.0
3	660.40	-152.00	0.00	50.884	0.045	0.033	277.9	279.4	278.1	278.1
4	660.40	-144.00	0.00	51.274	0.051	0.029	277.9	279.5	278.1	278.1
5	660.40	-136.00	0.00	51.299	0.065	0.028	277.9	279.6	278.1	278.0
6	660.40	-128.00	0.00	51.263	0.156	0.031	278.0	279.6	278.1	278.0
7	660.40	-120.00	0.00	51.063	0.268	0.032	278.1	279.7	278.2	278.0
8	660.40	-112.00	0.00	50.873	0.522	0.033	278.1	279.7	278.2	277.8
9	660.40	-104.00	0.00	50.805	0.804	0.034	278.1	279.8	278.3	277.7
10	660.40	-96.00	0.00	51.030	1.276	0.038	278.2	279.8	278.3	277.3
11	660.40	-88.00	0.00	50.945	2.022	0.040	278.2	279.9	278.2	276.6
12	660.40	-80.00	0.00	50.985	2.761	0.038	278.3	279.9	278.3	276.1
13	660.40	-72.00	0.00	51.160	3.463	0.037	278.3	279.9	278.3	275.5
14	660.40	-64.00	0.00	51.193	4.669	0.041	278.4	280.0	278.2	274.5
15	660.40	-56.00	0.00	51.289	5.545	0.038	278.5	280.0	278.3	274.0

16	660.40	-48.00	0.00	51.314	6.857	0.044	278.4	280.0	278.3	273.0
17	660.40	-40.00	0.00	51.243	7.291	0.043	278.5	280.0	278.2	272.5
18	660.40	-32.00	0.00	51.074	7.511	0.042	278.6	280.0	279.3	273.5
19	660.40	-24.00	0.00	50.922	7.142	0.044	278.6	280.0	276.6	271.1
20	660.40	-16.00	0.00	50.828	6.859	0.041	278.6	280.0	275.6	270.3
21	660.40	-8.00	0.00	50.917	6.603	0.045	278.7	280.1	270.0	265.0
22	660.40	0.00	0.00	50.984	6.464	0.043	278.7	280.1	280.0	274.9
23	660.40	8.00	0.00	51.107	6.582	0.045	278.7	280.1	300.0	294.5
24	660.40	16.00	0.00	51.270	7.002	0.046	278.7	280.1	274.3	268.9
25	660.40	24.00	0.00	51.420	7.536	0.043	278.8	280.1	276.9	271.1
26	660.40	32.00	0.00	51.279	7.679	0.047	278.8	280.1	274.6	268.7
27	660.40	40.00	0.00	51.132	7.616	0.045	278.9	280.1	274.3	268.5
28	660.40	48.00	0.00	51.020	6.944	0.042	278.9	280.1	88.6	86.9
29	660.40	56.00	0.00	50.848	5.967	0.044	278.9	280.1	0.0	0.0
30	660.40	64.00	0.00	50.674	4.636	0.047	279.1	280.1	0.0	0.0
31	660.40	72.00	0.00	50.828	3.641	0.042	279.1	280.1	90.4	89.5
32	660.40	80.00	0.00	50.911	2.658	0.043	279.2	280.1	0.0	0.0
33	660.40	88.00	0.00	51.150	1.929	0.041	279.2	280.1	92.9	92.4
34	660.40	96.00	0.00	51.154	1.325	0.037	279.3	280.1	93.0	92.6
35	660.40	104.00	0.00	51.181	0.837	0.041	279.3	280.1	279.0	278.3
36	660.40	112.00	0.00	51.174	0.503	0.036	279.4	280.1	0.0	0.0
37	660.40	120.00	0.00	51.144	0.322	0.034	279.4	280.1	0.0	0.0
38	660.40	128.00	0.00	51.155	0.190	0.037	279.4	280.1	0.0	0.0
39	660.40	136.00	0.00	51.111	0.092	0.033	279.5	280.1	0.0	0.0
40	660.40	144.00	0.00	51.050	0.019	0.033	279.6	280.1	0.0	0.0
41	660.40	152.00	0.00	51.037	0.014	0.030	279.7	280.1	0.0	0.0
42	660.40	160.00	0.00	51.047	0.013	0.026	279.8	280.1	0.0	0.0

File : TAB298T 2-FEB-89
2-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG I(B)

C1 : X/D = 11
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.273 kPa

Mean gauged plenum pressure : 51.390 kPa
RMS gauged plenum pressure : 0.059 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	-160.00	0.00	51.413	0.052	0.021	292.5	282.8	292.4	292.4
3	558.80	-152.00	0.00	51.408	0.034	0.022	292.6	282.8	292.4	292.4
4	558.80	-144.00	0.00	51.434	0.019	0.024	292.5	282.8	292.4	292.4
5	558.80	-136.00	0.00	51.443	0.030	0.022	292.5	282.8	292.3	292.3
6	558.80	-128.00	0.00	51.429	0.073	0.027	292.5	282.8	292.3	292.2
7	558.80	-120.00	0.00	51.413	0.200	0.028	292.5	282.8	292.4	292.2
8	558.80	-112.00	0.00	51.413	0.380	0.022	292.5	282.8	292.4	292.1
9	558.80	-104.00	0.00	51.352	0.844	0.021	292.6	282.7	292.4	291.7
10	558.80	-96.00	0.00	51.332	1.257	0.024	292.6	282.7	292.4	291.3
11	558.80	-88.00	0.00	51.320	2.096	0.023	292.6	282.7	292.4	290.6
12	558.80	-80.00	0.00	51.333	3.309	0.020	292.5	282.7	292.3	289.5
13	558.80	-72.00	0.00	51.333	4.566	0.021	292.6	282.6	292.3	288.5
14	558.80	-64.00	0.00	51.315	6.132	0.027	292.5	282.6	292.3	287.3
15	558.80	-56.00	0.00	51.319	7.792	0.022	292.6	282.7	292.3	286.0

16	558.80	-48.00	0.00	51.280	9.370	0.020	292.6	282.6	292.3	284.8
17	558.80	-40.00	0.00	51.278	10.538	0.021	292.6	282.6	292.3	283.9
18	558.80	-32.00	0.00	51.340	10.837	0.022	292.7	282.6	292.5	283.9
19	558.80	-24.00	0.00	51.334	10.216	0.022	293.1	282.6	292.3	284.1
20	558.80	-16.00	0.00	51.335	9.162	0.021	293.4	282.6	292.3	284.9
21	558.80	-8.00	0.00	51.318	8.277	0.020	293.6	282.6	292.3	285.6
22	558.80	0.00	0.00	51.352	7.917	0.019	293.5	282.6	292.4	286.0
23	558.80	8.00	0.00	51.371	8.503	0.018	293.6	282.6	292.5	285.6
24	558.80	16.00	0.00	51.374	9.345	0.020	293.2	282.6	292.4	284.9
25	558.80	24.00	0.00	51.395	10.240	0.016	293.4	282.6	292.4	284.2
26	558.80	32.00	0.00	51.374	10.859	0.017	293.0	282.6	292.4	283.8
27	558.80	40.00	0.00	51.433	10.320	0.019	292.9	282.6	292.3	284.1
28	558.80	48.00	0.00	51.446	8.884	0.016	292.7	282.5	292.3	285.2
29	558.80	56.00	0.00	51.435	7.001	0.014	292.6	282.5	292.3	286.6
30	558.80	64.00	0.00	51.417	5.167	0.014	292.6	282.5	292.3	288.0
31	558.80	72.00	0.00	51.370	3.602	0.016	292.6	282.6	292.3	289.3
32	558.80	80.00	0.00	51.408	2.329	0.016	292.6	282.5	292.3	290.3
33	558.80	88.00	0.00	51.384	1.606	0.014	292.5	282.6	292.3	290.9
34	558.80	96.00	0.00	51.362	0.920	0.014	292.5	282.6	292.3	291.5
35	558.80	104.00	0.00	51.459	0.510	0.013	292.5	282.6	292.3	291.9
36	558.80	112.00	0.00	51.454	0.271	0.014	292.5	282.6	292.3	292.1
37	558.80	120.00	0.00	51.566	0.065	0.014	292.5	282.6	292.3	292.2
38	558.80	128.00	0.00	51.465	0.013	0.014	292.5	282.6	292.3	292.3
39	558.80	136.00	0.00	51.449	0.012	0.015	292.5	282.6	292.3	292.3
40	558.80	144.00	0.00	51.426	0.012	0.015	292.5	282.5	292.3	292.3
41	558.80	152.00	0.00	51.386	0.012	0.015	292.5	282.5	292.3	292.3
42	558.80	160.00	0.00	51.439	0.012	0.015	292.5	282.5	292.3	292.3

File : TAB299T 2-FEB-89
2-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG I(B)

C1 : X/D = 11
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.205 kPa

Mean gauged plenum pressure : 51.546 kPa
RMS gauged plenum pressure : 0.037 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	0.00	-120.00	51.504	0.014	0.015	293.5	282.5	292.6	292.6
3	558.80	0.00	-116.00	51.547	0.013	0.013	293.3	282.5	292.5	292.5
4	558.80	0.00	-112.00	51.546	0.013	0.014	292.9	282.5	292.5	292.5
5	558.80	0.00	-108.00	51.466	0.012	0.016	292.7	282.4	292.5	292.5
6	558.80	0.00	-104.00	51.502	0.012	0.018	292.7	282.5	292.5	292.5
7	558.80	0.00	-100.00	51.497	0.011	0.014	292.7	282.5	292.5	292.5
8	558.80	0.00	-96.00	51.500	0.010	0.013	292.7	282.5	292.5	292.5
9	558.80	0.00	-92.00	51.507	0.012	0.013	292.7	282.5	292.5	292.5
10	558.80	0.00	-88.00	51.517	0.014	0.013	292.7	282.5	292.5	292.5
11	558.80	0.00	-84.00	51.522	0.036	0.013	292.6	282.4	292.5	292.5
12	558.80	0.00	-80.00	51.530	0.082	0.014	292.6	282.4	292.5	292.4
13	558.80	0.00	-76.00	51.515	0.170	0.014	292.6	282.4	292.5	292.4
14	558.80	0.00	-72.00	51.532	0.295	0.013	292.6	282.4	292.5	292.2
15	558.80	0.00	-68.00	51.539	0.393	0.014	292.6	282.4	292.4	292.1

16	558.80	0.00	-64.00	51.555	0.663	0.013	292.6	282.4	292.5	291.9
17	558.80	0.00	-60.00	51.566	0.872	0.014	292.6	282.3	292.4	291.7
18	558.80	0.00	-56.00	51.587	1.163	0.014	292.6	282.4	292.4	291.4
19	558.80	0.00	-52.00	51.588	1.524	0.013	292.6	282.4	292.4	291.1
20	558.80	0.00	-48.00	51.590	1.956	0.013	292.6	282.4	292.4	290.8
21	558.80	0.00	-44.00	51.581	2.320	0.015	292.6	282.4	292.4	290.5
22	558.80	0.00	-40.00	51.582	2.955	0.014	292.5	282.4	292.4	289.9
23	558.80	0.00	-36.00	51.584	3.536	0.015	292.5	282.4	292.4	289.5
24	558.80	0.00	-32.00	51.578	4.246	0.020	292.6	282.4	292.4	288.9
25	558.80	0.00	-28.00	51.561	4.812	0.014	292.6	282.4	292.4	288.4
26	558.80	0.00	-24.00	51.565	5.518	0.014	292.9	282.4	292.4	287.9
27	558.80	0.00	-20.00	51.568	6.526	0.013	293.4	282.4	292.4	287.1
28	558.80	0.00	-16.00	51.567	7.030	0.013	293.5	282.4	292.5	286.8
29	558.80	0.00	-12.00	51.570	7.393	0.014	293.3	282.3	292.5	286.5
30	558.80	0.00	-8.00	51.569	7.977	0.014	293.4	282.3	292.5	286.0
31	558.80	0.00	-4.00	51.570	8.040	0.014	293.6	282.3	292.5	286.0
32	558.80	0.00	0.00	51.561	7.890	0.016	293.6	282.3	292.5	286.1
33	558.80	0.00	4.00	51.575	7.644	0.018	293.3	282.4	292.5	286.3
34	558.80	0.00	8.00	51.567	7.308	0.014	293.0	282.3	292.3	286.4
35	558.80	0.00	12.00	51.565	6.760	0.014	292.8	282.3	292.3	286.8
36	558.80	0.00	16.00	51.557	6.105	0.013	292.7	282.3	292.2	287.2
37	558.80	0.00	20.00	51.583	5.393	0.014	292.7	282.3	292.1	287.7

File : TAB305T

6-FEB-89
6-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG I(B)

C1 : X/D = 11
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.510 kPa

Mean gauged plenum pressure : 51.099 kPa
RMS gauged plenum pressure : 0.313 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	-160.00	0.00	50.919	0.014	0.012	281.8	280.9	281.7	281.7
3	558.80	-152.00	0.00	51.125	0.013	0.012	281.8	280.9	281.8	281.8
4	558.80	-144.00	0.00	51.053	0.013	0.012	281.8	280.9	281.8	281.8
5	558.80	-136.00	0.00	51.044	0.013	0.012	281.9	280.9	281.8	281.8
6	558.80	-128.00	0.00	51.352	0.014	0.012	281.9	281.0	281.8	281.8
7	558.80	-120.00	0.00	51.569	0.079	0.012	281.9	281.0	281.9	281.8
8	558.80	-112.00	0.00	51.239	0.277	0.012	281.9	281.0	281.9	281.7
9	558.80	-104.00	0.00	51.186	0.488	0.012	281.9	281.0	281.9	281.5
10	558.80	-96.00	0.00	51.229	0.853	0.012	282.0	281.0	281.9	281.2
11	558.80	-88.00	0.00	51.122	1.722	0.012	282.0	281.0	281.9	280.5
12	558.80	-80.00	0.00	50.992	2.668	0.012	282.0	281.0	281.9	279.8
13	558.80	-72.00	0.00	51.040	3.684	0.012	282.1	281.0	282.0	279.1
14	558.80	-64.00	0.00	50.949	5.073	0.012	282.1	281.0	282.0	278.0
15	558.80	-56.00	0.00	50.918	6.671	0.012	282.1	281.0	282.1	276.9

16	558.80	-48.00	0.00	51.187	8.657	0.012	282.1	281.0	282.0	275.3
17	558.80	-40.00	0.00	51.340	9.641	0.012	282.2	281.0	282.1	274.7
18	558.80	-32.00	0.00	51.390	10.361	0.013	282.2	281.0	279.4	271.5
19	558.80	-24.00	0.00	51.373	9.961	0.013	282.2	281.1	281.5	273.8
20	558.80	-16.00	0.00	51.296	9.090	0.012	282.1	281.0	292.7	285.4
21	558.80	-8.00	0.00	51.404	8.205	0.013	282.1	281.1	281.8	275.4
22	558.80	0.00	0.00	51.308	7.846	0.013	282.1	281.0	281.6	275.5
23	558.80	8.00	0.00	51.141	8.122	0.012	282.1	281.0	282.0	275.7
24	558.80	16.00	0.00	50.830	8.717	0.012	282.1	281.0	282.1	275.3
25	558.80	24.00	0.00	50.386	9.881	0.013	282.1	280.9	282.0	274.4
26	558.80	32.00	0.00	49.946	10.142	0.013	282.1	281.0	282.0	274.2
27	558.80	40.00	0.00	51.006	9.814	0.013	282.1	281.0	281.9	274.3
28	558.80	48.00	0.00	51.019	7.993	0.013	282.1	281.0	282.2	276.0
29	558.80	56.00	0.00	51.155	6.173	0.013	282.1	281.0	282.0	277.1
30	558.80	64.00	0.00	51.357	4.321	0.013	282.1	281.0	282.2	278.8
31	558.80	72.00	0.00	51.334	3.159	0.014	282.1	281.0	282.0	279.5
32	558.80	80.00	0.00	51.370	2.223	0.015	282.2	281.1	282.0	280.2
33	558.80	88.00	0.00	50.972	1.482	0.013	282.3	281.1	282.1	280.9
34	558.80	96.00	0.00	51.219	0.643	0.016	282.3	281.1	282.1	281.6
35	558.80	104.00	0.00	51.173	0.506	0.015	282.4	281.1	282.1	281.7
36	558.80	112.00	0.00	50.945	0.252	0.016	282.3	281.1	282.1	281.9
37	558.80	120.00	0.00	50.735	0.095	0.016	282.3	281.0	282.1	282.0
38	558.80	128.00	0.00	50.934	0.018	0.014	282.3	281.0	282.1	282.1
39	558.80	136.00	0.00	51.045	0.013	0.015	282.3	281.0	282.1	282.1
40	558.80	144.00	0.00	51.082	0.013	0.023	282.2	281.0	282.1	282.1
41	558.80	152.00	0.00	51.279	0.013	0.021	282.2	281.0	282.1	282.1
42	558.80	160.00	0.00	51.327	0.013	0.019	282.1	281.0	282.0	282.0

File : TAB149T

15-NOV-88
15-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config I(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.239 kPa

Mean gauged plenum pressure : 51.476 kPa
RMS gauged plenum pressure : 0.071 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.487	0.263	0.013	295.3	286.1	292.7	292.5
3	457.20	-105.00	0.00	51.470	0.491	0.013	294.9	286.0	292.6	292.2
4	457.20	-100.00	0.00	51.441	0.801	0.012	294.7	286.0	292.3	291.6
5	457.20	-95.00	0.00	51.478	1.164	0.012	294.7	286.0	292.2	291.2
6	457.20	-90.00	0.00	51.483	1.750	0.012	294.7	286.0	291.7	290.2
7	457.20	-85.00	0.00	51.497	2.297	0.012	294.7	286.0	291.5	289.6
8	457.20	-80.00	0.00	51.506	3.377	0.012	294.6	286.0	291.1	288.3
9	457.20	-75.00	0.00	51.508	4.139	0.012	294.6	286.0	290.7	287.3
10	457.20	-70.00	0.00	51.532	5.416	0.012	294.5	286.0	290.3	285.9
11	457.20	-65.00	0.00	51.549	6.827	0.012	294.3	286.0	289.8	284.3
12	457.20	-60.00	0.00	51.573	8.436	0.012	294.3	286.0	289.3	282.6
13	457.20	-55.00	0.00	51.603	9.823	0.012	294.2	286.0	289.0	281.2
14	457.20	-50.00	0.00	51.618	11.720	0.014	294.2	286.0	288.7	279.5
15	457.20	-45.00	0.00	51.590	13.383	0.013	294.1	286.0	288.6	278.2
16	457.20	-40.00	0.00	51.589	14.912	0.012	294.1	286.0	288.6	277.2

17	457.20	-35.00	0.00	51.570	15.964	0.012	294.2	286.0	288.6	276.4
18	457.20	-30.00	0.00	51.534	15.987	0.012	294.2	286.0	288.7	276.5
19	457.20	-25.00	0.00	51.492	15.189	0.012	294.3	285.9	288.5	276.9
20	457.20	-20.00	0.00	51.505	13.738	0.013	294.3	285.9	288.0	277.4
21	457.20	-15.00	0.00	51.528	12.094	0.016	294.2	285.9	287.9	278.5
22	457.20	-10.00	0.00	51.493	10.862	0.016	294.2	285.9	287.7	279.2
23	457.20	-5.00	0.00	51.481	10.228	0.019	294.2	285.9	287.7	279.7
24	457.20	0.00	0.00	51.479	10.285	0.018	294.6	285.9	287.7	279.6
25	457.20	5.00	0.00	51.434	11.060	0.015	295.1	285.9	287.7	279.0
26	457.20	10.00	0.00	51.477	12.231	0.015	295.2	285.9	287.8	278.3
27	457.20	15.00	0.00	51.523	13.810	0.014	295.1	285.9	288.0	277.4
28	457.20	20.00	0.00	51.494	15.275	0.017	295.3	285.9	288.2	276.5
29	457.20	25.00	0.00	51.505	16.151	0.014	295.3	285.9	288.4	276.1
30	457.20	30.00	0.00	51.496	15.994	0.015	295.3	285.9	288.4	276.2
31	457.20	35.00	0.00	51.467	14.510	0.014	295.3	285.9	288.6	277.4
32	457.20	40.00	0.00	51.462	12.133	0.016	294.9	285.9	288.6	279.1
33	457.20	45.00	0.00	51.447	10.132	0.015	294.5	285.8	288.5	280.5
34	457.20	50.00	0.00	51.414	7.901	0.014	294.3	285.8	288.9	282.6
35	457.20	55.00	0.00	51.352	6.368	0.015	294.3	285.9	289.2	284.0
36	457.20	60.00	0.00	51.356	4.817	0.019	294.3	285.9	289.7	285.8
37	457.20	65.00	0.00	51.350	3.638	0.015	294.3	285.9	290.2	287.2
38	457.20	70.00	0.00	51.359	3.134	0.014	294.4	285.9	291.1	288.5
39	457.20	75.00	0.00	51.367	1.921	0.015	294.3	286.0	291.2	289.6
40	457.20	80.00	0.00	51.382	1.672	0.013	294.5	286.0	292.0	290.6
41	457.20	85.00	0.00	51.339	0.991	0.016	294.5	286.0	292.1	291.3
42	457.20	90.00	0.00	51.413	0.697	0.014	294.6	286.0	292.4	291.8
43	457.20	95.00	0.00	51.401	0.504	0.014	294.7	286.1	292.8	292.4
44	457.20	100.00	0.00	51.403	0.120	0.022	294.5	286.1	293.0	292.9
45	457.20	105.00	0.00	51.427	0.086	0.019	294.6	286.1	293.2	293.1
46	457.20	110.00	0.00	51.453	0.053	0.016	294.7	286.1	293.4	293.4

File : TAB148T 15-NOV-88
15-NOV-88

Reduced experimental data file

CONFIGURATION I

Unexcited, unheated jet, Mj = 0.8
DRPTAB, CONFIG I(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.341 kPa

Mean gauged plenum pressure : 51.185 kPa
RMS gauged plenum pressure : 0.111 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.208	0.344	0.012	293.4	286.2	290.9	290.6
3	457.20	0.00	-58.00	51.210	0.407	0.012	293.5	286.2	290.8	290.5
4	457.20	0.00	-56.00	51.239	0.585	0.012	293.6	286.3	290.3	289.8
5	457.20	0.00	-54.00	51.277	0.730	0.012	293.6	286.3	290.3	289.7
6	457.20	0.00	-52.00	51.279	0.806	0.012	293.7	286.3	290.4	289.7
7	457.20	0.00	-50.00	51.317	1.129	0.012	293.8	286.3	290.5	289.6
8	457.20	0.00	-48.00	51.370	1.201	0.012	294.2	286.3	290.7	289.7
9	457.20	0.00	-46.00	51.365	1.369	0.013	294.2	286.3	290.1	289.0
10	457.20	0.00	-44.00	51.335	1.718	0.014	294.4	286.3	290.1	288.7
11	457.20	0.00	-42.00	51.309	2.008	0.013	294.4	286.3	289.9	288.2
12	457.20	0.00	-40.00	51.322	2.371	0.016	294.6	286.3	290.3	288.3
13	457.20	0.00	-38.00	51.304	2.615	0.018	294.7	286.3	289.8	287.6
14	457.20	0.00	-36.00	51.294	3.021	0.015	294.7	286.3	289.7	287.2
15	457.20	0.00	-34.00	51.259	3.370	0.016	294.8	286.3	289.6	286.8
16	457.20	0.00	-32.00	51.262	3.879	0.021	294.8	286.3	289.5	286.3

17	457.20	0.00	-30.00	51.227	4.360	0.019	294.7	286.4	289.1	285.5
18	457.20	0.00	-28.00	51.163	4.791	0.017	294.7	286.3	289.1	285.2
19	457.20	0.00	-26.00	51.180	5.150	0.016	294.8	286.3	288.9	284.7
20	457.20	0.00	-24.00	51.207	5.898	0.022	294.7	286.2	288.6	283.8
21	457.20	0.00	-22.00	51.183	6.361	0.019	294.7	286.2	288.4	283.3
22	457.20	0.00	-20.00	51.205	6.917	0.012	295.2	286.2	288.6	283.0
23	457.20	0.00	-18.00	51.201	7.257	0.012	295.8	286.2	288.4	282.6
24	457.20	0.00	-16.00	51.185	7.869	0.013	295.9	286.2	288.1	281.8
25	457.20	0.00	-14.00	51.159	8.352	0.012	295.9	286.2	288.2	281.6
26	457.20	0.00	-12.00	51.126	8.794	0.012	295.9	286.2	288.4	281.4
27	457.20	0.00	-10.00	51.095	9.251	0.012	295.9	286.2	288.1	280.8
28	457.20	0.00	-8.00	51.101	9.611	0.012	295.9	286.2	288.0	280.4
29	457.20	0.00	-6.00	51.148	9.732	0.013	295.6	286.1	288.1	280.4
30	457.20	0.00	-4.00	51.143	9.818	0.015	295.1	286.2	287.9	280.2
31	457.20	0.00	-2.00	51.103	10.163	0.014	294.9	286.2	287.9	279.9
32	457.20	0.00	0.00	51.079	10.117	0.013	294.8	286.3	287.9	279.9
33	457.20	0.00	2.00	51.063	9.953	0.014	294.7	286.3	287.8	280.0
34	457.20	0.00	4.00	51.026	9.863	0.016	294.7	286.3	287.9	280.1
35	457.20	0.00	6.00	51.014	9.506	0.013	295.0	286.3	288.1	280.6
36	457.20	0.00	8.00	51.016	9.297	0.015	295.2	286.3	288.4	281.0
37	457.20	0.00	10.00	50.954	8.917	0.015	295.2	286.3	288.1	281.0

File : TAB167T

8-DEC-88
21-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
Config. I(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 51.233 kPa
RMS gauged plenum pressure : 0.242 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.407	0.093	0.012	282.2	283.7	281.3	281.2
3	457.20	-105.00	0.00	51.474	0.186	0.012	282.2	283.7	281.6	281.4
4	457.20	-100.00	0.00	51.465	0.431	0.012	282.3	283.7	281.3	280.9
5	457.20	-95.00	0.00	51.451	0.842	0.012	282.3	283.7	281.3	280.6
6	457.20	-90.00	0.00	51.362	1.115	0.012	282.3	283.7	281.1	280.2
7	457.20	-85.00	0.00	51.279	1.714	0.014	282.2	283.7	281.3	279.9
8	457.20	-80.00	0.00	51.236	2.286	0.013	282.3	283.7	281.2	279.4
9	457.20	-75.00	0.00	51.219	3.191	0.012	282.3	283.7	281.1	278.5
10	457.20	-70.00	0.00	51.179	3.788	0.012	282.4	283.7	281.3	278.3
11	457.20	-65.00	0.00	51.202	4.942	0.013	282.5	283.8	281.2	277.3
12	457.20	-60.00	0.00	51.255	6.520	0.013	282.3	283.7	281.0	275.9
13	457.20	-55.00	0.00	51.314	7.878	0.013	282.3	283.7	280.8	274.7
14	457.20	-50.00	0.00	51.461	9.477	0.014	282.3	283.7	281.1	273.8
15	457.20	-45.00	0.00	51.515	10.894	0.013	282.4	283.7	281.3	273.0

16	457.20	-40.00	0.00	51.429	12.951	0.013	282.5	283.7	281.5	271.7
17	457.20	-35.00	0.00	51.385	14.433	0.013	282.5	283.7	281.6	270.8
18	457.20	-30.00	0.00	51.314	15.025	0.014	282.6	283.7	281.4	270.2
19	457.20	-25.00	0.00	51.215	14.550	0.014	282.7	283.8	281.4	270.5
20	457.20	-20.00	0.00	51.122	13.530	0.015	282.7	283.8	281.3	271.1
21	457.20	-15.00	0.00	50.866	12.119	0.017	282.8	283.8	280.9	271.7
22	457.20	-10.00	0.00	50.886	11.004	0.013	282.8	283.8	280.6	272.2
23	457.20	-5.00	0.00	50.840	10.318	0.017	282.9	283.8	280.6	272.7
24	457.20	0.00	0.00	50.745	10.017	0.016	283.0	283.8	280.6	272.9
25	457.20	5.00	0.00	50.661	10.542	0.017	283.1	283.8	280.8	272.7
26	457.20	10.00	0.00	50.632	11.257	0.017	283.1	283.8	280.7	272.1
27	457.20	15.00	0.00	51.167	12.861	0.015	282.9	283.8	281.1	271.4
28	457.20	20.00	0.00	51.171	14.460	0.018	282.9	283.8	281.4	270.6
29	457.20	25.00	0.00	51.222	15.123	0.015	282.9	283.8	281.7	270.4
30	457.20	30.00	0.00	51.232	14.914	0.013	283.0	283.8	281.9	270.7
31	457.20	35.00	0.00	51.392	13.457	0.014	283.1	283.8	282.1	271.9
32	457.20	40.00	0.00	51.489	11.850	0.018	283.0	283.9	281.6	272.6
33	457.20	45.00	0.00	51.564	9.687	0.015	283.1	283.8	281.3	273.8
34	457.20	50.00	0.00	51.462	7.545	0.015	283.1	283.8	281.2	275.3
35	457.20	55.00	0.00	51.351	5.796	0.015	283.1	283.8	280.7	276.1
36	457.20	60.00	0.00	51.178	3.959	0.019	283.0	283.8	281.1	277.9
37	457.20	65.00	0.00	51.099	3.456	0.016	282.9	283.7	280.9	278.1
38	457.20	70.00	0.00	51.063	2.197	0.013	283.0	283.8	281.5	279.7
39	457.20	75.00	0.00	51.262	1.360	0.020	282.9	283.8	281.6	280.5
40	457.20	80.00	0.00	51.493	1.116	0.020	283.1	283.8	281.7	280.8
41	457.20	85.00	0.00	51.606	0.906	0.017	283.2	283.8	281.8	281.1
42	457.20	90.00	0.00	51.573	0.616	0.019	283.3	283.8	281.9	281.4
43	457.20	95.00	0.00	51.439	0.299	0.020	283.2	283.8	282.0	281.8
44	457.20	100.00	0.00	51.258	0.198	0.020	283.3	283.8	282.2	282.0
45	457.20	105.00	0.00	51.031	0.090	0.023	283.3	283.8	282.1	282.0
46	457.20	110.00	0.00	50.920	0.012	0.025	283.2	283.8	282.6	282.6

File : TAB180T

10-DEC-88
23-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config I(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.138 kPa

Mean gauged plenum pressure : 51.259 kPa
RMS gauged plenum pressure : 0.143 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.306	0.230	0.012	282.9	283.8	282.3	282.1
3	457.20	-105.00	0.00	51.470	0.369	0.012	282.9	283.8	282.4	282.1
4	457.20	-100.00	0.00	51.470	0.662	0.012	282.8	283.9	282.3	281.8
5	457.20	-95.00	0.00	51.377	0.964	0.012	282.9	283.9	282.2	281.4
6	457.20	-90.00	0.00	51.405	1.372	0.012	282.9	283.9	282.2	281.1
7	457.20	-85.00	0.00	51.271	1.718	0.012	282.9	283.8	282.2	280.8
8	457.20	-80.00	0.00	51.210	2.396	0.012	283.0	283.9	282.2	280.3
9	457.20	-75.00	0.00	51.169	3.580	0.012	283.0	283.9	282.0	279.1
10	457.20	-70.00	0.00	51.078	4.190	0.013	283.1	283.9	282.0	278.6
11	457.20	-65.00	0.00	51.022	5.217	0.012	283.1	283.8	281.9	277.8
12	457.20	-60.00	0.00	51.001	6.637	0.012	283.1	283.9	281.7	276.5
13	457.20	-55.00	0.00	51.341	8.003	0.012	283.1	283.8	282.0	275.7
14	457.20	-50.00	0.00	51.350	9.678	0.013	283.2	283.8	282.0	274.5
15	457.20	-45.00	0.00	51.385	11.220	0.013	283.2	283.8	282.1	273.5

16	457.20	-40.00	0.00	51.372	12.790	0.012	283.1	283.8	282.1	272.4
17	457.20	-35.00	0.00	51.394	13.911	0.012	283.2	283.8	282.3	271.8
18	457.20	-30.00	0.00	51.360	14.301	0.012	283.2	283.8	282.1	271.3
19	457.20	-25.00	0.00	51.384	13.650	0.012	283.2	283.8	281.8	271.5
20	457.20	-20.00	0.00	51.424	12.782	0.013	283.2	283.8	281.6	271.9
21	457.20	-15.00	0.00	51.405	11.799	0.012	283.2	283.8	281.4	272.4
22	457.20	-10.00	0.00	51.355	10.764	0.012	283.2	283.8	281.3	273.0
23	457.20	-5.00	0.00	51.194	10.349	0.013	283.2	283.8	281.1	273.1
24	457.20	0.00	0.00	51.196	10.416	0.012	283.2	283.8	281.0	273.0
25	457.20	5.00	0.00	51.222	11.002	0.013	283.2	283.8	281.1	272.7
26	457.20	10.00	0.00	51.166	12.208	0.012	283.3	283.8	281.3	272.0
27	457.20	15.00	0.00	51.205	13.388	0.012	283.2	283.8	281.6	271.5
28	457.20	20.00	0.00	51.239	14.286	0.012	283.1	283.8	281.8	271.0
29	457.20	25.00	0.00	51.252	15.181	0.012	283.1	283.8	282.0	270.6
30	457.20	30.00	0.00	51.248	14.619	0.013	283.1	283.8	282.3	271.3
31	457.20	35.00	0.00	51.213	13.452	0.013	283.1	283.8	282.0	271.8
32	457.20	40.00	0.00	51.143	12.003	0.012	283.1	283.8	282.0	272.8
33	457.20	45.00	0.00	51.073	10.095	0.013	283.2	283.8	282.1	274.3
34	457.20	50.00	0.00	51.009	8.329	0.013	283.2	283.8	281.9	275.4
35	457.20	55.00	0.00	50.981	6.759	0.013	283.2	283.8	281.9	276.6
36	457.20	60.00	0.00	51.338	5.538	0.013	283.2	283.8	282.1	277.7
37	457.20	65.00	0.00	51.327	4.408	0.013	283.2	283.8	282.1	278.6
38	457.20	70.00	0.00	51.321	3.329	0.016	283.2	283.8	282.3	279.6
39	457.20	75.00	0.00	51.379	2.335	0.013	283.2	283.8	282.4	280.5
40	457.20	80.00	0.00	51.410	1.724	0.014	283.3	283.8	282.5	281.1
41	457.20	85.00	0.00	51.444	1.193	0.014	283.3	283.8	282.5	281.5
42	457.20	90.00	0.00	51.481	0.873	0.013	283.3	283.8	282.6	281.9
43	457.20	95.00	0.00	51.130	0.552	0.014	283.3	283.8	282.7	282.2
44	457.20	100.00	0.00	51.156	0.341	0.015	283.3	283.8	282.7	282.4
45	457.20	105.00	0.00	51.118	0.162	0.016	283.3	283.8	282.8	282.7
46	457.20	110.00	0.00	51.093	0.065	0.014	283.3	283.8	282.8	282.7

File : TAB324T 17-FEB-89
17-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG I(B)

C1 : X/D = 7
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 99.526 kPa

Mean gauged plenum pressure : 51.769 kPa
RMS gauged plenum pressure : 0.099 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	-110.00	0.00	51.655	0.083	0.017	279.8	280.4	280.1	280.0
3	355.60	-105.00	0.00	51.812	0.100	0.016	279.8	280.5	280.1	280.0
4	355.60	-100.00	0.00	51.910	0.219	0.020	279.7	280.6	280.1	279.9
5	355.60	-95.00	0.00	51.786	0.374	0.013	279.6	280.6	280.1	279.8
6	355.60	-90.00	0.00	51.834	0.738	0.012	279.6	280.6	280.1	279.5
7	355.60	-85.00	0.00	51.836	1.194	0.012	279.6	280.7	280.1	279.1
8	355.60	-80.00	0.00	51.799	1.966	0.013	279.7	280.7	280.1	278.5
9	355.60	-75.00	0.00	51.766	2.867	0.015	279.7	280.7	280.1	277.8
10	355.60	-70.00	0.00	51.687	3.822	0.014	279.6	280.7	280.0	277.0
11	355.60	-65.00	0.00	51.642	5.132	0.015	279.6	280.8	280.0	276.0
12	355.60	-60.00	0.00	51.873	6.891	0.016	279.6	280.8	280.0	274.7
13	355.60	-55.00	0.00	51.824	8.787	0.014	279.6	280.7	279.9	273.2
14	355.60	-50.00	0.00	51.828	11.020	0.013	279.6	280.8	279.9	271.6
15	355.60	-45.00	0.00	51.770	13.655	0.013	279.6	280.8	279.9	269.8

16	355.60	-40.00	0.00	51.771	16.920	0.013	279.6	280.8	279.9	267.6
17	355.60	-35.00	0.00	51.807	20.288	0.015	279.6	280.8	279.9	265.4
18	355.60	-30.00	0.00	51.876	23.200	0.015	279.6	280.8	279.9	263.6
19	355.60	-25.00	0.00	51.921	24.857	0.017	279.6	280.8	279.9	262.6
20	355.60	-20.00	0.00	51.633	23.468	0.017	279.5	280.8	279.9	263.4
21	355.60	-15.00	0.00	51.693	20.211	0.013	279.5	280.8	279.8	265.4
22	355.60	-10.00	0.00	51.750	16.278	0.016	279.5	280.8	279.8	267.9
23	355.60	-5.00	0.00	51.810	13.111	0.018	279.5	280.7	279.8	270.1
24	355.60	0.00	0.00	51.830	11.237	0.016	279.5	280.7	279.8	271.4
25	355.60	5.00	0.00	51.822	10.833	0.016	279.5	280.7	279.8	271.6
26	355.60	10.00	0.00	51.813	11.771	0.014	279.4	280.7	279.7	270.9
27	355.60	15.00	0.00	51.833	14.273	0.017	279.4	280.7	279.7	269.2
28	355.60	20.00	0.00	51.803	18.364	0.013	279.4	280.7	279.7	266.5
29	355.60	25.00	0.00	51.784	22.076	0.014	279.4	280.7	279.7	264.1
30	355.60	30.00	0.00	51.723	24.652	0.018	279.4	280.7	279.7	262.5
31	355.60	35.00	0.00	51.679	23.662	0.016	279.4	280.6	279.6	263.0
32	355.60	40.00	0.00	51.629	20.399	0.018	279.3	280.6	279.5	265.0
33	355.60	45.00	0.00	51.620	15.507	0.019	279.2	280.6	279.5	268.1
34	355.60	50.00	0.00	51.587	12.255	0.018	279.3	280.6	279.5	270.4
35	355.60	55.00	0.00	51.566	9.348	0.018	279.3	280.6	279.6	272.5
36	355.60	60.00	0.00	51.561	7.209	0.022	279.3	280.6	279.5	274.0
37	355.60	65.00	0.00	51.594	4.811	0.021	279.3	280.6	279.5	275.7
38	355.60	70.00	0.00	51.684	4.516	0.020	279.2	280.6	279.5	276.0
39	355.60	75.00	0.00	51.754	3.346	0.019	279.3	280.6	279.5	276.9
40	355.60	80.00	0.00	51.805	2.157	0.018	279.3	280.6	279.5	277.8
41	355.60	85.00	0.00	51.844	1.863	0.023	279.3	280.6	279.5	278.0
42	355.60	90.00	0.00	51.916	0.912	0.022	279.3	280.6	279.5	278.8
43	355.60	95.00	0.00	51.815	0.548	0.022	279.3	280.6	279.5	279.1
44	355.60	100.00	0.00	51.846	0.224	0.024	279.4	280.6	279.5	279.3
45	355.60	105.00	0.00	51.863	0.088	0.024	279.3	280.6	279.5	279.4
46	355.60	110.00	0.00	51.858	0.044	0.021	279.3	280.6	279.5	279.5

File : TAB325T 17-FEB-89
17-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG I(B)

C1 : X/D = 9
C2 : 4
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 99.560 kPa

Mean gauged plenum pressure : 51.736 kPa
RMS gauged plenum pressure : 0.077 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	4.00	-60.00	51.792	0.020	0.014	278.7	280.1	278.9	278.9
3	355.60	4.00	-58.00	51.749	0.019	0.014	278.8	280.1	278.9	278.9
4	355.60	4.00	-56.00	51.734	0.017	0.013	278.7	280.2	278.9	278.9
5	355.60	4.00	-54.00	51.674	0.051	0.012	278.6	280.1	278.9	278.9
6	355.60	4.00	-52.00	51.664	0.105	0.012	278.6	280.1	278.9	278.8
7	355.60	4.00	-50.00	51.658	0.264	0.013	278.7	280.2	278.9	278.7
8	355.60	4.00	-48.00	51.679	0.354	0.012	278.7	280.2	278.9	278.6
9	355.60	4.00	-46.00	51.682	0.491	0.013	278.7	280.2	278.9	278.5
10	355.60	4.00	-44.00	51.695	0.671	0.014	278.7	280.2	278.9	278.4
11	355.60	4.00	-42.00	51.729	0.880	0.014	278.7	280.2	278.9	278.2
12	355.60	4.00	-40.00	51.751	1.136	0.013	278.6	280.2	279.0	278.1
13	355.60	4.00	-38.00	51.763	1.417	0.012	278.7	280.2	278.9	277.8
14	355.60	4.00	-36.00	51.814	1.786	0.012	278.6	280.2	278.9	277.5
15	355.60	4.00	-34.00	51.874	2.209	0.014	278.6	280.2	278.9	277.2

16	355.60	4.00	-32.00	51.700	2.559	0.014	278.7	280.2	278.9	276.9
17	355.60	4.00	-30.00	51.645	3.009	0.012	278.6	280.2	278.9	276.5
18	355.60	4.00	-28.00	51.637	3.426	0.013	278.7	280.2	278.9	276.2
19	355.60	4.00	-26.00	51.630	3.974	0.012	278.7	280.2	278.9	275.8
20	355.60	4.00	-24.00	51.635	4.679	0.012	278.7	280.2	278.9	275.3
21	355.60	4.00	-22.00	51.647	5.201	0.012	278.7	280.2	278.9	274.9
22	355.60	4.00	-20.00	51.661	5.961	0.012	278.7	280.2	278.8	274.2
23	355.60	4.00	-18.00	51.640	6.175	0.013	278.7	280.2	278.8	274.0
24	355.60	4.00	-16.00	51.624	7.120	0.012	278.6	280.2	278.8	273.3
25	355.60	4.00	-14.00	51.724	7.798	0.012	278.5	280.2	278.8	272.8
26	355.60	4.00	-12.00	51.766	8.512	0.012	278.5	280.2	278.7	272.2
27	355.60	4.00	-10.00	51.785	8.907	0.012	278.4	280.1	278.7	271.9
28	355.60	4.00	-8.00	51.782	9.661	0.012	278.4	280.1	278.7	271.4
29	355.60	4.00	-6.00	51.770	10.068	0.012	278.4	280.1	278.7	271.1
30	355.60	4.00	-4.00	51.755	10.381	0.012	278.3	280.1	278.7	270.9
31	355.60	4.00	-2.00	51.754	10.594	0.012	278.3	280.1	278.6	270.7
32	355.60	4.00	0.00	51.783	10.750	0.012	278.3	280.1	278.6	270.5
33	355.60	4.00	2.00	51.779	10.811	0.012	278.2	280.1	278.5	270.4
34	355.60	4.00	4.00	51.791	10.504	0.012	278.2	280.0	278.5	270.6
35	355.60	4.00	6.00	51.808	10.420	0.011	278.3	280.1	278.5	270.7
36	355.60	4.00	8.00	51.826	10.075	0.012	278.2	280.1	278.5	270.9
37	355.60	4.00	10.00	51.839	9.701	0.012	278.1	280.0	278.4	271.1

File : TAB306T 7-FEB-89
7-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG I(B)

C1 : X/D = 7
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 51.280 kPa
RMS gauged plenum pressure : 0.181 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	-110.00	0.00	51.413	0.060	0.029	277.1	279.6	277.4	277.4
3	355.60	-105.00	0.00	51.359	0.094	0.031	277.1	279.7	277.4	277.3
4	355.60	-100.00	0.00	51.199	0.242	0.036	277.0	279.7	277.3	277.1
5	355.60	-95.00	0.00	51.401	0.473	0.033	277.0	279.8	277.3	276.9
6	355.60	-90.00	0.00	51.312	1.147	0.035	276.9	279.8	277.3	276.4
7	355.60	-85.00	0.00	50.975	1.653	0.037	276.8	279.7	277.1	275.8
8	355.60	-80.00	0.00	51.107	1.586	0.035	276.8	279.7	277.1	275.8
9	355.60	-75.00	0.00	51.076	2.707	0.033	276.8	279.7	277.1	275.0
10	355.60	-70.00	0.00	51.193	3.629	0.031	276.8	279.8	277.1	274.2
11	355.60	-65.00	0.00	51.440	5.210	0.026	276.6	279.8	277.0	272.9
12	355.60	-60.00	0.00	51.367	6.823	0.029	276.6	279.8	277.0	271.7
13	355.60	-55.00	0.00	51.386	8.291	0.029	276.7	279.9	277.0	270.7
14	355.60	-50.00	0.00	51.433	10.595	0.029	276.7	280.0	276.9	268.9
15	355.60	-45.00	0.00	51.221	13.362	0.024	276.6	280.0	276.9	267.0

16	355.60	-40.00	0.00	51.241	16.904	0.019	276.6	279.9	276.9	264.6
17	355.60	-35.00	0.00	51.226	20.431	0.024	276.6	280.0	277.0	262.5
18	355.60	-30.00	0.00	51.137	21.952	0.018	276.7	280.0	276.9	261.4
19	355.60	-25.00	0.00	51.173	21.119	0.018	276.6	280.0	276.9	261.9
20	355.60	-20.00	0.00	51.148	18.075	0.018	276.5	279.9	276.8	263.8
21	355.60	-15.00	0.00	51.227	14.987	0.018	276.5	279.9	276.8	265.8
22	355.60	-10.00	0.00	51.248	12.369	0.013	276.6	279.9	276.8	267.6
23	355.60	-5.00	0.00	51.387	10.875	0.016	276.5	279.9	276.8	268.6
24	355.60	0.00	0.00	51.401	10.768	0.013	276.4	280.0	276.7	268.6
25	355.60	5.00	0.00	51.408	11.954	0.013	276.4	280.0	276.7	267.8
26	355.60	10.00	0.00	51.351	14.673	0.013	276.4	280.0	276.7	265.9
27	355.60	15.00	0.00	51.206	17.858	0.015	276.4	280.0	276.7	263.8
28	355.60	20.00	0.00	51.363	21.707	0.018	276.4	280.0	276.7	261.4
29	355.60	25.00	0.00	51.116	22.635	0.016	276.4	280.0	276.6	260.7
30	355.60	30.00	0.00	51.175	20.547	0.013	276.3	279.9	276.6	262.0
31	355.60	35.00	0.00	51.267	16.354	0.017	276.3	279.9	276.6	264.7
32	355.60	40.00	0.00	51.330	12.449	0.013	276.2	279.9	276.6	267.3
33	355.60	45.00	0.00	51.132	8.439	0.013	276.3	279.8	276.5	270.1
34	355.60	50.00	0.00	51.504	5.905	0.012	276.3	279.9	276.5	271.9
35	355.60	55.00	0.00	51.454	4.204	0.013	276.2	279.9	276.5	273.2
36	355.60	60.00	0.00	51.539	3.307	0.012	276.3	280.0	276.5	273.9
37	355.60	65.00	0.00	51.377	2.165	0.015	276.2	280.0	276.5	274.8
38	355.60	70.00	0.00	51.308	1.385	0.013	276.2	280.0	276.5	275.4
39	355.60	75.00	0.00	51.120	1.055	0.013	276.3	279.9	276.4	275.6
40	355.60	80.00	0.00	51.096	0.703	0.013	276.1	279.9	276.4	275.8
41	355.60	85.00	0.00	51.080	0.340	0.014	276.0	279.8	276.3	276.0
42	355.60	90.00	0.00	51.146	0.310	0.020	276.0	279.7	276.3	276.1
43	355.60	95.00	0.00	51.104	0.085	0.016	276.0	279.7	276.3	276.2
44	355.60	100.00	0.00	51.341	0.037	0.014	276.0	279.7	276.3	276.3
45	355.60	105.00	0.00	51.248	0.013	0.013	276.0	279.7	276.3	276.3
46	355.60	110.00	0.00	51.473	0.011	0.012	276.0	279.8	276.3	276.3

File : TAB321T

15-FEB-89
15-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG I(B)

C1 : X/D = 5
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 99.120 kPa

Mean gauged plenum pressure : 51.714 kPa
RMS gauged plenum pressure : 0.136 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	51.644	0.014	0.012	296.3	284.7	295.4	295.4
3	254.00	-96.00	0.00	51.663	0.016	0.012	296.4	284.4	295.5	295.5
4	254.00	-92.00	0.00	51.692	0.144	0.014	296.2	284.0	295.6	295.5
5	254.00	-88.00	0.00	51.682	0.387	0.014	296.2	283.7	295.6	295.3
6	254.00	-84.00	0.00	51.669	0.727	0.012	296.4	283.5	295.6	295.0
7	254.00	-80.00	0.00	51.614	1.226	0.013	296.5	283.5	295.7	294.7
8	254.00	-76.00	0.00	51.713	1.985	0.012	296.9	283.5	295.8	294.1
9	254.00	-72.00	0.00	51.830	2.919	0.012	297.5	283.4	296.0	293.6
10	254.00	-68.00	0.00	51.686	4.327	0.012	297.9	283.4	296.2	292.6
11	254.00	-64.00	0.00	51.869	5.429	0.013	297.3	283.4	296.2	291.7
12	254.00	-60.00	0.00	51.903	6.994	0.013	296.9	283.3	296.2	290.5
13	254.00	-56.00	0.00	51.860	9.227	0.012	297.1	283.3	296.3	288.9
14	254.00	-52.00	0.00	51.838	11.528	0.012	297.4	283.3	296.3	287.1
15	254.00	-48.00	0.00	51.779	15.103	0.012	297.3	283.2	296.4	284.6

16	254.00	-44.00	0.00	51.685	18.230	0.012	297.2	283.2	296.4	282.4
17	254.00	-40.00	0.00	51.582	22.894	0.012	297.1	283.2	296.4	279.3
18	254.00	-36.00	0.00	51.568	27.486	0.012	297.1	283.2	296.4	276.3
19	254.00	-32.00	0.00	51.659	32.542	0.012	297.2	283.2	296.5	273.4
20	254.00	-28.00	0.00	51.680	37.288	0.013	297.1	283.2	296.6	270.7
21	254.00	-24.00	0.00	51.750	39.642	0.012	297.2	283.2	296.6	269.4
22	254.00	-20.00	0.00	51.672	37.495	0.012	297.2	283.2	296.6	270.6
23	254.00	-16.00	0.00	51.618	31.175	0.012	297.3	283.2	296.6	274.3
24	254.00	-12.00	0.00	51.575	22.798	0.012	297.3	283.2	296.6	279.5
25	254.00	-8.00	0.00	51.549	17.487	0.012	297.3	283.2	296.7	283.2
26	254.00	-4.00	0.00	51.847	13.370	0.012	297.4	283.1	296.8	286.2
27	254.00	0.00	0.00	51.837	11.978	0.012	297.4	283.1	296.8	287.3
28	254.00	4.00	0.00	51.886	11.621	0.012	297.3	283.1	296.7	287.4
29	254.00	8.00	0.00	51.893	12.995	0.012	297.2	283.0	296.7	286.4
30	254.00	12.00	0.00	52.060	15.935	0.012	297.2	283.1	296.8	284.4
31	254.00	16.00	0.00	51.780	20.736	0.011	297.4	283.0	296.8	281.1
32	254.00	20.00	0.00	51.827	29.299	0.011	297.3	283.1	296.8	275.6
33	254.00	24.00	0.00	51.810	35.906	0.012	297.5	283.1	296.9	271.8
34	254.00	28.00	0.00	51.800	40.041	0.012	297.6	283.1	296.9	269.4
35	254.00	32.00	0.00	51.756	37.143	0.011	298.2	283.2	297.0	271.1
36	254.00	36.00	0.00	51.635	29.781	0.012	298.0	283.2	297.0	275.5
37	254.00	40.00	0.00	51.525	24.012	0.012	298.3	283.1	297.0	279.1
38	254.00	44.00	0.00	51.651	17.940	0.012	298.2	283.0	296.9	283.1
39	254.00	48.00	0.00	51.604	13.961	0.012	298.1	282.9	296.8	285.8
40	254.00	52.00	0.00	51.507	11.061	0.012	297.3	282.9	296.7	287.9
41	254.00	56.00	0.00	51.681	9.193	0.012	296.8	282.8	296.6	289.2
42	254.00	60.00	0.00	51.640	6.750	0.011	297.0	282.8	296.6	291.1
43	254.00	64.00	0.00	51.609	5.807	0.012	297.3	282.8	296.5	291.7
44	254.00	68.00	0.00	51.599	4.340	0.012	297.3	282.9	296.5	292.9
45	254.00	72.00	0.00	51.784	3.316	0.012	297.5	282.9	296.5	293.7
46	254.00	76.00	0.00	51.786	2.302	0.012	297.3	282.9	296.5	294.6
47	254.00	80.00	0.00	51.628	1.788	0.014	297.3	282.9	296.5	295.0
48	254.00	84.00	0.00	51.546	0.990	0.013	297.1	282.9	296.5	295.7
49	254.00	88.00	0.00	51.711	0.546	0.014	297.1	282.8	296.5	296.0
50	254.00	92.00	0.00	51.771	0.328	0.014	297.0	282.8	296.5	296.2
51	254.00	96.00	0.00	51.747	0.120	0.017	297.0	282.8	296.5	296.4
52	254.00	100.00	0.00	51.851	0.039	0.017	297.2	282.8	296.5	296.5

File : TAB320T 15-FEB-89
15-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG I(B)

C1 : X/D = 5
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 99.221 kPa

Mean gauged plenum pressure : 51.751 kPa
RMS gauged plenum pressure : 0.181 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	0.00	-40.00	51.644	0.240	0.013	291.2	282.2	291.0	290.8
3	254.00	0.00	-39.00	51.522	0.283	0.015	291.3	282.1	291.0	290.8
4	254.00	0.00	-38.00	51.623	0.354	0.014	291.4	282.1	291.1	290.8
5	254.00	0.00	-37.00	51.610	0.521	0.017	291.3	282.1	291.1	290.7
6	254.00	0.00	-36.00	51.686	0.600	0.019	291.3	282.1	291.1	290.6
7	254.00	0.00	-35.00	51.641	0.793	0.016	291.4	282.1	291.1	290.4
8	254.00	0.00	-34.00	51.823	0.888	0.020	291.4	282.1	291.1	290.4
9	254.00	0.00	-33.00	51.871	1.052	0.016	291.4	282.1	291.1	290.2
10	254.00	0.00	-32.00	51.889	1.247	0.021	291.5	282.1	291.2	290.2
11	254.00	0.00	-31.00	51.868	1.439	0.019	291.5	282.2	291.2	290.0
12	254.00	0.00	-30.00	51.780	1.647	0.021	291.5	282.2	291.2	289.8
13	254.00	0.00	-29.00	51.838	1.925	0.016	291.5	282.2	291.3	289.7
14	254.00	0.00	-28.00	51.703	2.051	0.018	291.5	282.2	291.3	289.6
15	254.00	0.00	-27.00	51.461	2.314	0.024	291.6	282.1	291.3	289.4

16	254.00	0.00	-26.00	51.584	2.681	0.022	291.6	282.1	291.3	289.1
17	254.00	0.00	-25.00	51.799	2.938	0.019	291.9	282.1	291.3	288.9
18	254.00	0.00	-24.00	51.637	3.267	0.020	292.1	282.1	291.4	288.7
19	254.00	0.00	-23.00	51.508	3.516	0.016	292.4	282.0	291.5	288.6
20	254.00	0.00	-22.00	51.901	4.027	0.015	292.3	282.0	291.4	288.1
21	254.00	0.00	-21.00	51.877	4.365	0.013	292.7	282.0	291.5	287.9
22	254.00	0.00	-20.00	51.907	4.751	0.015	292.7	282.0	291.5	287.6
23	254.00	0.00	-19.00	51.708	5.224	0.015	292.5	281.9	291.5	287.3
24	254.00	0.00	-18.00	51.987	5.661	0.013	292.5	281.9	291.6	287.0
25	254.00	0.00	-17.00	51.966	6.004	0.018	292.0	281.9	291.6	286.7
26	254.00	0.00	-16.00	51.919	6.411	0.019	291.9	282.0	291.6	286.4
27	254.00	0.00	-15.00	51.843	6.753	0.018	291.8	281.9	291.6	286.2
28	254.00	0.00	-14.00	51.814	7.197	0.018	291.9	281.9	291.6	285.8
29	254.00	0.00	-13.00	51.687	7.727	0.017	291.8	281.9	291.6	285.4
30	254.00	0.00	-12.00	51.457	7.855	0.017	291.8	281.9	291.5	285.2
31	254.00	0.00	-11.00	51.735	8.535	0.019	291.7	281.9	291.5	284.7
32	254.00	0.00	-10.00	51.570	8.820	0.020	291.8	281.9	291.5	284.5
33	254.00	0.00	-9.00	51.587	9.240	0.017	291.8	281.9	291.6	284.3
34	254.00	0.00	-8.00	51.529	9.832	0.020	291.8	281.9	291.6	283.8
35	254.00	0.00	-7.00	51.907	10.168	0.017	292.0	281.9	291.6	283.6
36	254.00	0.00	-6.00	51.987	10.496	0.018	291.9	281.9	291.6	283.3
37	254.00	0.00	-5.00	52.029	10.858	0.021	291.8	282.0	291.7	283.2
38	254.00	0.00	-4.00	52.083	11.171	0.021	291.9	282.0	291.7	282.9
39	254.00	0.00	-3.00	51.887	11.331	0.026	291.8	282.0	291.7	282.8
40	254.00	0.00	-2.00	52.022	11.493	0.020	291.9	282.0	291.7	282.7
41	254.00	0.00	-1.00	51.853	11.678	0.022	291.8	282.0	291.7	282.6
42	254.00	0.00	0.00	51.836	11.751	0.023	291.9	282.0	291.7	282.5
43	254.00	0.00	1.00	51.698	11.773	0.024	291.9	282.0	291.7	282.5
44	254.00	0.00	2.00	51.477	11.683	0.023	291.9	282.0	291.7	282.6
45	254.00	0.00	3.00	51.558	11.530	0.025	291.9	282.0	291.7	282.7
46	254.00	0.00	4.00	51.641	11.523	0.025	291.9	282.0	291.7	282.7
47	254.00	0.00	5.00	51.498	11.472	0.024	291.9	282.0	291.7	282.7
48	254.00	0.00	6.00	51.418	11.111	0.025	291.9	282.0	291.8	283.1
49	254.00	0.00	7.00	51.675	10.948	0.028	292.0	282.0	291.8	283.2
50	254.00	0.00	8.00	51.664	10.569	0.022	292.3	282.0	291.8	283.5
51	254.00	0.00	9.00	51.874	10.644	0.021	292.7	282.0	291.9	283.5
52	254.00	0.00	10.00	52.025	10.069	0.025	292.9	282.0	291.9	283.9

File : TAB308T 7-FEB-89
7-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG I(B)

C1 : X/D = 5
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 51.256 kPa
RMS gauged plenum pressure : 0.167 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	-0.60	51.295	0.037	0.018	277.4	278.8	276.8	276.8
3	254.00	-95.00	-0.60	51.388	0.092	0.018	277.6	279.0	276.9	276.8
4	254.00	-90.00	-0.60	51.346	0.325	0.016	277.6	279.2	277.0	276.7
5	254.00	-85.00	-0.60	51.318	0.892	0.014	277.7	279.3	277.1	276.4
6	254.00	-80.00	-0.60	51.344	1.134	0.021	277.6	279.5	277.1	276.2
7	254.00	-75.00	-0.60	51.113	1.851	0.021	277.5	279.5	277.1	275.6
8	254.00	-70.00	-0.60	51.201	2.673	0.024	277.6	279.5	277.1	275.0
9	254.00	-65.00	-0.60	51.193	4.533	0.022	277.6	279.5	277.0	273.5
10	254.00	-60.00	-0.60	51.170	5.742	0.022	277.5	279.6	277.0	272.5
11	254.00	-55.00	-0.60	51.321	8.376	0.024	277.6	279.7	277.1	270.7
12	254.00	-50.00	-0.60	51.355	11.552	0.021	277.6	279.8	277.2	268.5
13	254.00	-45.00	-0.60	51.262	16.061	0.019	277.6	279.9	277.2	265.5
14	254.00	-40.00	-0.60	51.409	21.905	0.023	277.7	280.0	277.3	261.8
15	254.00	-35.00	-0.60	51.285	28.550	0.019	277.6	280.0	277.3	257.8

16	254.00	-30.00	-0.60	51.382	34.092	0.023	277.8	280.0	277.3	254.7
17	254.00	-25.00	-0.60	51.410	34.411	0.026	277.9	280.0	277.4	254.6
18	254.00	-20.00	-0.60	51.181	27.639	0.025	277.8	280.0	277.3	258.3
19	254.00	-15.00	-0.60	50.787	19.720	0.019	278.0	280.0	277.4	263.3
20	254.00	-10.00	-0.60	51.181	14.121	0.023	277.8	280.1	277.4	267.0
21	254.00	-5.00	-0.60	51.057	11.789	0.023	277.9	280.1	277.4	268.6
22	254.00	0.00	-0.60	51.322	11.996	0.024	278.0	280.1	277.5	268.5
23	254.00	5.00	-0.60	51.446	14.542	0.024	277.9	280.1	277.4	266.7
24	254.00	10.00	-0.60	51.280	20.724	0.025	277.8	280.2	277.4	262.6
25	254.00	15.00	-0.60	51.417	29.209	0.020	277.9	280.2	277.4	257.5
26	254.00	20.00	-0.60	51.085	34.899	0.028	277.8	280.2	277.5	254.4
27	254.00	25.00	-0.60	51.188	33.901	0.028	277.7	280.2	277.4	254.9
28	254.00	30.00	-0.60	51.239	24.194	0.021	277.8	280.1	277.5	260.6
29	254.00	35.00	-0.60	51.133	15.690	0.018	278.0	280.2	277.5	266.0
30	254.00	40.00	-0.60	51.123	9.189	0.022	278.0	280.1	277.5	270.5
31	254.00	45.00	-0.60	51.286	5.640	0.022	278.0	280.1	277.5	273.1
32	254.00	50.00	-0.60	51.298	3.637	0.031	277.9	280.0	277.4	274.5
33	254.00	55.00	-0.60	51.209	2.504	0.029	277.7	280.1	277.4	275.4
34	254.00	60.00	-0.60	51.355	2.207	0.023	277.7	280.1	277.4	275.6
35	254.00	65.00	-0.60	51.508	1.473	0.024	277.7	280.2	277.4	276.2
36	254.00	70.00	-0.60	51.348	1.009	0.021	277.8	280.2	277.4	276.6
37	254.00	75.00	-0.60	51.171	0.552	0.024	278.0	280.2	277.4	277.0
38	254.00	80.00	-0.60	51.332	0.341	0.025	278.1	280.2	277.5	277.2
39	254.00	85.00	-0.60	51.271	0.049	0.026	277.9	280.2	277.4	277.4
40	254.00	90.00	-0.60	51.160	0.013	0.023	277.9	280.2	277.4	277.4
41	254.00	95.00	-0.60	51.181	0.012	0.022	278.0	280.1	277.5	277.5
42	254.00	100.00	-0.60	51.251	0.012	0.019	278.5	280.1	277.6	277.6

File : TAB316T 13-FEB-89
13-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG I(B)

C1 : X/D = 2
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.510 kPa

Mean gauged plenum pressure : 51.439 kPa
RMS gauged plenum pressure : 0.180 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	101.60	-75.00	0.00	51.632	0.019	0.019	294.7	282.4	293.7	293.7
3	101.60	-72.00	0.00	51.505	0.149	0.018	294.6	282.3	293.8	293.7
4	101.60	-69.00	0.00	51.468	1.449	0.018	294.8	282.2	293.8	292.6
5	101.60	-66.00	0.00	51.526	3.611	0.024	294.7	282.1	293.8	290.8
6	101.60	-63.00	0.00	51.591	8.161	0.024	294.6	282.2	293.9	287.3
7	101.60	-60.00	0.00	51.598	12.524	0.023	294.5	282.2	293.8	283.9
8	101.60	-57.00	0.00	51.449	15.495	0.025	294.4	282.1	293.8	281.8
9	101.60	-54.00	0.00	51.402	17.485	0.029	294.2	282.1	293.8	280.4
10	101.60	-51.00	0.00	51.348	20.983	0.023	294.3	282.0	293.8	278.0
11	101.60	-48.00	0.00	51.344	26.486	0.024	294.2	281.9	293.8	274.4
12	101.60	-45.00	0.00	51.146	35.783	0.022	294.5	281.9	293.8	268.9
13	101.60	-42.00	0.00	51.384	44.059	0.019	294.7	281.9	293.9	264.4
14	101.60	-39.00	0.00	51.636	49.764	0.020	294.6	282.0	294.0	261.5
15	101.60	-36.00	0.00	51.527	50.987	0.026	294.5	282.0	294.0	260.9

16	101.60	-33.00	0.00	51.580	51.230	0.026	294.7	282.0	294.1	260.9
17	101.60	-30.00	0.00	51.302	51.161	0.028	295.2	282.0	294.2	261.0
18	101.60	-27.00	0.00	51.027	51.014	0.026	295.5	281.9	294.2	261.1
19	101.60	-24.00	0.00	51.265	51.168	0.024	295.3	281.9	294.2	261.0
20	101.60	-21.00	0.00	51.318	51.274	0.018	295.9	281.8	294.2	260.9
21	101.60	-18.00	0.00	51.295	51.265	0.022	295.9	281.8	294.3	261.0
22	101.60	-15.00	0.00	51.302	50.668	0.028	295.4	281.8	294.4	261.4
23	101.60	-12.00	0.00	51.363	48.548	0.028	294.9	281.9	294.3	262.4
24	101.60	-9.00	0.00	51.596	43.235	0.024	295.0	282.0	294.4	265.3
25	101.60	-6.00	0.00	51.538	37.548	0.027	294.7	282.1	294.4	268.4
26	101.60	-3.00	0.00	51.453	31.885	0.031	294.4	282.0	294.3	271.6
27	101.60	0.00	0.00	51.295	29.428	0.025	294.3	282.0	294.2	273.0
28	101.60	3.00	0.00	51.350	29.196	0.019	294.2	282.0	294.2	273.1
29	101.60	6.00	0.00	51.222	32.797	0.019	294.2	281.9	294.1	270.9
30	101.60	9.00	0.00	51.330	37.430	0.022	294.3	281.9	294.1	268.2
31	101.60	12.00	0.00	51.588	46.031	0.018	294.4	281.9	294.0	263.4
32	101.60	15.00	0.00	51.703	50.173	0.018	294.6	282.0	294.1	261.4
33	101.60	18.00	0.00	51.609	51.466	0.021	294.6	282.1	294.1	260.7
34	101.60	21.00	0.00	51.376	51.349	0.020	294.3	282.0	294.1	260.8
35	101.60	24.00	0.00	51.379	51.310	0.018	294.3	281.9	294.0	260.7
36	101.60	27.00	0.00	51.358	51.306	0.015	294.3	281.9	294.0	260.7
37	101.60	30.00	0.00	51.323	51.250	0.014	294.4	281.8	294.0	260.8
38	101.60	33.00	0.00	51.648	51.327	0.020	294.4	281.9	294.0	260.7
39	101.60	36.00	0.00	51.682	50.543	0.016	294.4	281.9	294.0	261.1
40	101.60	39.00	0.00	51.598	48.621	0.018	294.1	281.9	293.9	262.0
41	101.60	42.00	0.00	51.523	44.123	0.014	294.1	281.7	293.8	264.3
42	101.60	45.00	0.00	51.310	38.372	0.016	294.0	281.7	293.9	267.5
43	101.60	48.00	0.00	51.248	27.296	0.017	293.8	281.7	293.8	273.9
44	101.60	51.00	0.00	51.341	20.615	0.016	293.8	281.6	293.7	278.2
45	101.60	54.00	0.00	51.491	15.576	0.014	293.9	281.6	293.6	281.5
46	101.60	57.00	0.00	51.660	12.266	0.019	293.7	281.7	293.6	283.9
47	101.60	60.00	0.00	51.467	9.665	0.015	293.8	281.7	293.5	285.7
48	101.60	63.00	0.00	51.466	7.470	0.014	293.9	281.7	293.5	287.4
49	101.60	66.00	0.00	51.485	4.655	0.016	293.8	281.7	293.5	289.6
50	101.60	69.00	0.00	51.375	2.053	0.016	293.9	281.7	293.6	291.9
51	101.60	72.00	0.00	51.361	0.348	0.021	294.0	281.7	293.6	293.3
52	101.60	75.00	0.00	51.429	0.022	0.016	294.1	281.7	293.7	293.7

File : TAB317T 14-FEB-89
14-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG I(B)

C1 : X/D = 2
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.916 kPa

Mean gauged plenum pressure : 51.541 kPa
RMS gauged plenum pressure : 0.141 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	101.60	0.00	-20.00	51.452	0.020	0.011	291.4	282.5	290.9	290.9
3	101.60	0.00	-19.50	51.354	0.011	0.011	291.3	282.3	290.8	290.8
4	101.60	0.00	-19.00	51.425	0.023	0.011	291.3	282.2	290.9	290.9
5	101.60	0.00	-18.50	51.542	0.033	0.012	291.3	282.2	290.9	290.9
6	101.60	0.00	-18.00	51.494	0.106	0.012	291.4	282.1	290.9	290.8
7	101.60	0.00	-17.50	51.567	0.158	0.012	291.4	282.0	290.9	290.8
8	101.60	0.00	-17.00	51.457	0.242	0.012	291.4	282.0	290.8	290.6
9	101.60	0.00	-16.50	51.681	0.331	0.012	291.3	281.9	290.8	290.5
10	101.60	0.00	-16.00	51.602	0.431	0.012	291.4	282.0	290.9	290.5
11	101.60	0.00	-15.50	51.657	0.597	0.012	291.4	281.9	290.8	290.3
12	101.60	0.00	-15.00	51.783	0.724	0.012	291.4	281.9	290.9	290.3
13	101.60	0.00	-14.50	51.599	0.872	0.012	291.4	281.9	290.8	290.1
14	101.60	0.00	-14.00	51.518	1.039	0.012	291.5	281.9	290.9	290.0
15	101.60	0.00	-13.50	51.448	1.306	0.012	291.5	281.9	290.9	289.8

16	101.60	0.00	-13.00	51.438	1.593	0.012	291.7	281.9	290.9	289.6
17	101.60	0.00	-12.50	51.518	1.906	0.013	291.6	281.9	291.0	289.4
18	101.60	0.00	-12.00	51.534	2.282	0.012	291.4	281.9	291.0	289.1
19	101.60	0.00	-11.50	51.388	2.695	0.014	291.4	281.9	291.0	288.8
20	101.60	0.00	-11.00	51.632	3.336	0.012	291.7	281.9	291.1	288.4
21	101.60	0.00	-10.50	51.759	3.980	0.014	291.8	281.9	291.1	287.8
22	101.60	0.00	-10.00	51.593	4.795	0.016	291.8	281.8	291.2	287.3
23	101.60	0.00	-9.50	51.616	5.623	0.014	292.1	281.8	291.2	286.6
24	101.60	0.00	-9.00	51.668	6.802	0.014	292.5	281.7	291.2	285.7
25	101.60	0.00	-8.50	51.555	8.019	0.016	292.7	281.7	291.2	284.8
26	101.60	0.00	-8.00	51.564	9.385	0.015	292.2	281.7	291.2	283.7
27	101.60	0.00	-7.50	51.411	10.580	0.014	292.5	281.8	291.2	282.9
28	101.60	0.00	-7.00	51.028	12.184	0.013	292.4	281.7	291.2	281.7
29	101.60	0.00	-6.50	51.527	14.213	0.015	292.1	281.7	291.2	280.2
30	101.60	0.00	-6.00	51.452	15.870	0.018	291.9	281.7	291.2	279.1
31	101.60	0.00	-5.50	51.516	18.070	0.016	292.0	281.8	291.3	277.6
32	101.60	0.00	-5.00	51.689	19.875	0.016	292.0	281.8	291.3	276.4
33	101.60	0.00	-4.50	51.640	22.118	0.017	292.1	281.8	291.4	275.0
34	101.60	0.00	-4.00	51.609	23.636	0.015	292.2	281.9	291.5	274.2
35	101.60	0.00	-3.50	51.579	25.455	0.020	292.3	281.9	291.6	273.1
36	101.60	0.00	-3.00	51.561	26.990	0.013	292.4	281.9	291.6	272.1
37	101.60	0.00	-2.50	51.640	28.357	0.017	292.5	281.9	291.7	271.4
38	101.60	0.00	-2.00	51.509	29.282	0.018	292.6	281.9	291.8	270.9
39	101.60	0.00	-1.50	51.558	29.788	0.017	292.6	281.9	291.9	270.7
40	101.60	0.00	-1.00	51.540	30.027	0.017	292.7	281.9	291.9	270.6
41	101.60	0.00	-0.50	51.542	29.947	0.019	292.6	281.9	292.0	270.7
42	101.60	0.00	0.00	51.525	29.295	0.023	292.5	281.9	292.0	271.1
43	101.60	0.00	0.50	51.504	28.787	0.018	292.5	281.9	292.0	271.4
44	101.60	0.00	1.00	51.579	27.760	0.015	292.6	281.8	292.0	272.0
45	101.60	0.00	1.50	51.551	26.585	0.017	292.7	281.8	292.0	272.8
46	101.60	0.00	2.00	51.518	25.060	0.015	292.8	281.8	292.0	273.7
47	101.60	0.00	2.50	51.579	23.875	0.017	292.7	281.8	292.0	274.5
48	101.60	0.00	3.00	51.613	22.369	0.013	292.6	281.9	292.0	275.4
49	101.60	0.00	3.50	51.740	20.916	0.014	292.6	281.9	292.1	276.5
50	101.60	0.00	4.00	51.605	19.074	0.017	292.6	281.9	292.1	277.7
51	101.60	0.00	4.50	51.480	17.598	0.015	292.8	281.9	292.2	278.8
52	101.60	0.00	5.00	51.447	15.985	0.012	293.0	281.9	292.3	280.0

File : TAB313T 9-FEB-89
9-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG I(B)

C1 : X/D = 2
C2 : DIAGONAL
C3 : 1 MM
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 99.763 kPa

Mean gauged plenum pressure : 52.010 kPa
RMS gauged plenum pressure : 0.136 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	101.60	-75.00	1.00	52.031	0.023	0.014	275.5	279.0	274.2	274.2
3	101.60	-72.00	1.00	52.077	0.012	0.012	275.6	279.0	274.3	274.3
4	101.60	-69.00	1.00	52.000	0.008	0.015	275.6	278.9	274.4	274.4
5	101.60	-66.00	1.00	52.040	0.028	0.014	275.6	278.9	274.5	274.5
6	101.60	-63.00	1.00	52.016	0.160	0.014	275.8	278.9	274.6	274.5
7	101.60	-60.00	1.00	52.043	0.251	0.016	275.7	278.9	274.6	274.4
8	101.60	-57.00	1.00	52.076	0.492	0.014	275.9	278.9	274.6	274.2
9	101.60	-54.00	1.00	52.028	0.857	0.015	275.5	278.9	274.6	273.9
10	101.60	-51.00	1.00	52.007	2.233	0.017	275.5	278.9	274.6	272.9
11	101.60	-48.00	1.00	51.944	5.933	0.017	275.4	278.9	274.4	269.9
12	101.60	-45.00	1.00	52.013	10.932	0.015	275.6	278.9	274.5	266.4
13	101.60	-42.00	1.00	52.006	17.315	0.013	275.8	278.9	274.5	262.2
14	101.60	-39.00	1.00	52.133	24.478	0.015	275.7	279.0	274.6	257.9
15	101.60	-36.00	1.00	52.071	31.764	0.017	275.8	279.0	274.5	253.6

16	101.60	-33.00	1.00	52.080	38.865	0.025	275.8	278.9	274.6	249.9
17	101.60	-30.00	1.00	51.928	44.279	0.020	275.6	278.9	274.5	247.1
18	101.60	-27.00	1.00	52.123	47.983	0.014	275.5	278.9	274.5	245.3
19	101.60	-24.00	1.00	52.047	50.073	0.018	275.3	278.9	274.4	244.2
20	101.60	-21.00	1.00	52.104	51.192	0.021	275.1	278.9	274.4	243.7
21	101.60	-18.00	1.00	52.088	51.850	0.020	275.2	278.9	274.3	243.3
22	101.60	-15.00	1.00	52.034	51.821	0.018	275.4	278.9	274.4	243.4
23	101.60	-12.00	1.00	51.951	48.977	0.023	275.5	279.0	274.4	244.7
24	101.60	-9.00	1.00	51.966	42.232	0.018	275.7	279.0	274.5	248.1
25	101.60	-6.00	1.00	51.924	34.768	0.021	275.7	279.1	274.5	252.0
26	101.60	-3.00	1.00	51.953	30.482	0.017	276.0	279.1	274.5	254.3
27	101.60	0.00	1.00	52.000	29.660	0.024	275.9	279.1	274.7	255.0
28	101.60	3.00	1.00	52.046	31.055	0.019	275.8	279.1	274.7	254.2
29	101.60	6.00	1.00	52.025	33.190	0.020	275.6	279.1	274.7	253.0
30	101.60	9.00	1.00	52.042	35.050	0.019	275.8	279.0	274.7	252.0
31	101.60	12.00	1.00	52.079	39.557	0.014	275.8	279.0	274.7	249.6
32	101.60	15.00	1.00	52.151	46.708	0.014	275.8	279.0	274.7	246.1
33	101.60	18.00	1.00	52.042	50.947	0.017	275.7	279.0	274.7	244.1
34	101.60	21.00	1.00	52.078	51.550	0.017	275.6	279.0	274.6	243.7
35	101.60	24.00	1.00	52.097	50.728	0.019	275.7	279.0	274.7	244.2
36	101.60	27.00	1.00	51.982	49.352	0.013	275.8	279.0	274.8	244.9
37	101.60	30.00	1.00	51.979	47.442	0.015	275.8	279.0	274.7	245.7
38	101.60	33.00	1.00	51.985	38.856	0.012	276.1	279.1	274.7	250.0
39	101.60	36.00	1.00	51.884	26.390	0.013	276.3	279.1	274.8	256.9
40	101.60	39.00	1.00	51.848	13.938	0.015	275.8	279.1	274.7	264.6
41	101.60	42.00	1.00	51.700	6.180	0.013	276.0	279.1	274.7	270.0
42	101.60	45.00	1.00	51.569	2.747	0.013	276.2	279.1	274.8	272.7
43	101.60	48.00	1.00	51.499	0.694	0.012	276.1	279.0	274.8	274.3
44	101.60	51.00	1.00	52.018	0.171	0.012	275.9	279.0	274.8	274.7
45	101.60	54.00	1.00	52.030	0.121	0.012	275.9	279.0	274.8	274.7
46	101.60	57.00	1.00	52.037	0.039	0.014	275.9	279.0	274.8	274.8
47	101.60	60.00	1.00	52.014	0.054	0.013	275.8	278.9	274.7	274.7
48	101.60	63.00	1.00	51.986	0.018	0.012	275.8	278.8	274.6	274.6
49	101.60	66.00	1.00	52.046	0.006	0.012	276.0	278.8	274.6	274.6
50	101.60	69.00	1.00	52.168	0.009	0.016	275.6	278.8	274.6	274.6
51	101.60	72.00	1.00	52.030	0.008	0.014	275.6	278.8	274.6	274.6
52	101.60	75.00	1.00	52.122	0.009	0.016	275.4	278.8	274.5	274.5

File : TAB286T 27-JAN-89
27-JAN-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 15
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 51.227 kPa
RMS gauged plenum pressure : 0.110 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	-160.00	0.00	51.344	0.020	0.014	281.3	279.4	280.8	280.8
3	762.00	-152.00	0.00	51.333	0.018	0.018	281.5	279.4	281.0	281.0
4	762.00	-144.00	0.00	51.287	0.061	0.021	281.5	279.4	281.0	281.0
5	762.00	-136.00	0.00	51.258	0.139	0.021	281.5	279.4	281.1	281.0
6	762.00	-128.00	0.00	51.258	0.208	0.021	281.4	279.4	281.2	281.0
7	762.00	-120.00	0.00	51.220	0.422	0.022	281.6	279.4	281.2	280.9
8	762.00	-112.00	0.00	51.233	0.640	0.021	281.6	279.4	281.2	280.7
9	762.00	-104.00	0.00	51.234	0.928	0.020	281.6	279.4	281.2	280.4
10	762.00	-96.00	0.00	51.247	1.454	0.017	281.6	279.4	281.5	280.3
11	762.00	-88.00	0.00	51.237	1.844	0.016	281.7	279.4	263.4	262.0
12	762.00	-80.00	0.00	51.234	2.251	0.016	281.8	279.4	285.8	284.0
13	762.00	-72.00	0.00	51.226	3.085	0.014	281.9	279.4	283.1	280.6
14	762.00	-64.00	0.00	51.232	3.562	0.014	281.9	279.4	304.2	301.1
15	762.00	-56.00	0.00	51.216	4.357	0.013	281.9	279.5	93.5	92.3

16	762.00	-48.00	0.00	51.220	5.103	0.012	281.9	279.4	0.0	0.0
17	762.00	-40.00	0.00	51.198	5.512	0.012	282.0	279.5	0.0	0.0
18	762.00	-32.00	0.00	51.188	5.873	0.012	282.1	279.5	218.9	215.3
19	762.00	-24.00	0.00	51.181	6.232	0.012	282.2	279.4	0.0	0.0
20	762.00	-16.00	0.00	51.205	6.430	0.012	282.2	279.5	326.0	320.2
21	762.00	-8.00	0.00	51.134	6.452	0.012	282.1	279.5	272.7	267.8
22	762.00	0.00	0.00	51.155	6.372	0.012	281.9	279.5	294.0	288.8
23	762.00	8.00	0.00	51.160	6.404	0.011	282.0	279.5	283.5	278.4
24	762.00	16.00	0.00	51.175	6.277	0.012	281.9	279.4	94.8	93.1
25	762.00	24.00	0.00	51.172	6.119	0.012	281.7	279.4	113.4	111.5
26	762.00	32.00	0.00	51.171	5.860	0.011	281.6	279.3	277.7	273.1
27	762.00	40.00	0.00	51.175	5.348	0.011	281.3	279.3	272.4	268.3
28	762.00	48.00	0.00	51.142	4.993	0.012	280.9	279.2	280.2	276.3
29	762.00	56.00	0.00	51.098	4.288	0.012	280.9	279.2	281.2	277.8
30	762.00	64.00	0.00	50.973	3.705	0.012	280.8	279.2	292.4	289.3
31	762.00	72.00	0.00	51.013	2.988	0.012	280.8	279.2	285.6	283.2
32	762.00	80.00	0.00	51.011	2.166	0.012	280.9	279.2	284.1	282.3
33	762.00	88.00	0.00	51.087	1.949	0.012	281.1	279.2	280.2	278.6
34	762.00	96.00	0.00	51.203	1.164	0.013	281.1	279.3	279.8	278.9
35	762.00	104.00	0.00	51.379	0.903	0.013	281.0	279.3	280.8	280.1
36	762.00	112.00	0.00	51.496	0.558	0.014	281.1	279.3	280.4	279.9
37	762.00	120.00	0.00	51.405	0.392	0.015	281.1	279.3	280.4	280.1
38	762.00	128.00	0.00	51.408	0.189	0.014	281.1	279.3	280.5	280.3
39	762.00	136.00	0.00	51.407	0.148	0.013	281.2	279.4	280.8	280.7
40	762.00	144.00	0.00	51.335	0.072	0.015	281.1	279.3	280.6	280.5
41	762.00	152.00	0.00	51.240	0.014	0.017	281.3	279.3	280.7	280.7
42	762.00	160.00	0.00	51.202	0.016	0.015	281.5	279.3	280.8	280.8

File : TAB285T 27-JAN-89
27-JAN-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8

C1 : X/D = 15
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 51.276 kPa
RMS gauged plenum pressure : 0.239 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	0.00	-120.00	51.590	0.179	0.017	280.5	279.4	280.3	280.2
3	762.00	0.00	-116.00	51.688	0.225	0.016	280.4	279.4	280.3	280.1
4	762.00	0.00	-112.00	51.197	0.274	0.018	280.5	279.4	280.4	280.2
5	762.00	0.00	-108.00	51.151	0.312	0.021	280.5	279.4	280.5	280.2
6	762.00	0.00	-104.00	51.215	0.449	0.019	280.5	279.4	280.5	280.1
7	762.00	0.00	-100.00	51.137	0.565	0.019	280.5	279.4	280.5	280.0
8	762.00	0.00	-96.00	51.215	0.702	0.020	280.6	279.5	280.6	280.0
9	762.00	0.00	-92.00	51.515	0.868	0.020	280.6	279.4	280.6	279.9
10	762.00	0.00	-88.00	51.383	0.970	0.022	280.6	279.4	280.6	279.8
11	762.00	0.00	-84.00	51.513	1.200	0.022	280.8	279.5	280.7	279.7
12	762.00	0.00	-80.00	51.648	1.311	0.025	280.9	279.5	280.7	279.6
13	762.00	0.00	-76.00	51.719	1.605	0.021	280.9	279.5	280.8	279.5
14	762.00	0.00	-72.00	51.410	1.975	0.020	281.0	279.5	280.8	279.2
15	762.00	0.00	-68.00	51.480	2.161	0.027	281.0	279.5	280.2	278.5
16	762.00	0.00	-64.00	51.361	2.468	0.023	281.0	279.5	280.9	278.9
17	762.00	0.00	-60.00	51.231	2.672	0.021	281.1	279.5	280.8	278.7

18	762.00	0.00	-56.00	51.098	3.009	0.022	281.0	279.4	280.8	278.4
19	762.00	0.00	-52.00	51.222	3.351	0.020	281.1	279.5	291.0	288.2
20	762.00	0.00	-48.00	51.178	3.718	0.023	281.2	279.5	280.9	277.9
21	762.00	0.00	-44.00	51.130	4.159	0.021	281.2	279.5	291.8	288.4
22	762.00	0.00	-40.00	51.131	4.503	0.016	281.3	279.5	281.6	278.0
23	762.00	0.00	-36.00	51.273	4.924	0.019	281.2	279.5	276.6	272.8
24	762.00	0.00	-32.00	51.248	5.358	0.016	281.2	279.5	272.8	268.7
25	762.00	0.00	-28.00	51.280	5.704	0.019	281.1	279.4	267.1	262.8
26	762.00	0.00	-24.00	51.213	5.959	0.017	280.9	279.4	93.3	91.7
27	762.00	0.00	-20.00	51.158	6.205	0.015	281.1	279.4	288.1	283.1
28	762.00	0.00	-16.00	51.129	6.494	0.017	281.1	279.5	278.7	273.7
29	762.00	0.00	-12.00	50.707	6.476	0.019	281.1	279.4	281.0	275.9
30	762.00	0.00	-8.00	51.260	6.638	0.016	281.2	279.5	277.9	272.8
31	762.00	0.00	-4.00	51.148	6.657	0.019	281.2	279.5	193.0	189.4
32	762.00	0.00	0.00	51.039	6.390	0.015	281.4	279.5	284.9	279.8
33	762.00	0.00	4.00	51.323	6.237	0.015	281.5	279.5	281.5	276.6
34	762.00	0.00	8.00	51.344	6.007	0.013	281.7	279.5	293.4	288.5
35	762.00	0.00	12.00	51.407	5.647	0.014	281.7	279.5	292.9	288.3
36	762.00	0.00	16.00	51.260	5.225	0.013	281.7	279.5	102.9	101.4
37	762.00	0.00	20.00	51.320	4.829	0.015	281.6	279.5	280.6	276.8

File : TAB289T 30-JAN-89
30-JAN-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG III(B)

C1 : X/D = 15
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.799 kPa

Mean gauged plenum pressure : 50.995 kPa
RMS gauged plenum pressure : 0.117 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	-160.00	0.00	51.043	0.037	0.013	284.9	280.7	284.6	284.6
3	762.00	-152.00	0.00	50.830	0.029	0.013	284.8	280.7	284.7	284.7
4	762.00	-144.00	0.00	50.865	0.038	0.013	284.7	280.7	284.7	284.7
5	762.00	-136.00	0.00	50.908	0.096	0.013	284.8	280.7	284.8	284.7
6	762.00	-128.00	0.00	51.092	0.264	0.014	284.7	280.7	284.8	284.6
7	762.00	-120.00	0.00	51.091	0.350	0.014	284.8	280.7	284.7	284.4
8	762.00	-112.00	0.00	51.153	0.584	0.015	284.7	280.7	284.7	284.2
9	762.00	-104.00	0.00	51.076	0.999	0.019	284.7	280.7	284.7	283.9
10	762.00	-96.00	0.00	50.685	1.334	0.018	284.8	280.7	284.6	283.5
11	762.00	-88.00	0.00	50.904	1.574	0.015	284.8	280.7	284.6	283.3
12	762.00	-80.00	0.00	51.124	1.932	0.017	284.8	280.7	286.5	284.9
13	762.00	-72.00	0.00	51.020	2.869	0.015	284.7	280.7	284.4	282.1
14	762.00	-64.00	0.00	51.039	3.270	0.016	284.7	280.7	279.9	277.3
15	762.00	-56.00	0.00	50.894	3.781	0.014	284.8	280.8	277.3	274.3

16	762.00	-48.00	0.00	51.168	4.646	0.015	284.8	280.7	285.6	281.8
17	762.00	-40.00	0.00	51.053	5.243	0.015	284.8	280.7	278.1	274.0
18	762.00	-32.00	0.00	50.859	5.660	0.016	284.8	280.7	284.2	279.7
19	762.00	-24.00	0.00	50.930	6.015	0.018	284.8	280.7	286.4	281.5
20	762.00	-16.00	0.00	50.949	6.082	0.019	284.8	280.7	286.5	281.6
21	762.00	-8.00	0.00	50.991	6.377	0.019	284.8	280.7	283.1	278.0
22	762.00	0.00	0.00	51.140	6.545	0.021	284.8	280.7	281.2	276.0
23	762.00	8.00	0.00	51.067	6.603	0.020	284.9	280.7	280.9	275.7
24	762.00	16.00	0.00	51.186	6.398	0.018	284.9	280.7	278.4	273.4
25	762.00	24.00	0.00	51.050	6.297	0.015	284.9	280.7	280.5	275.5
26	762.00	32.00	0.00	50.964	5.923	0.018	284.9	280.6	280.8	276.1
27	762.00	40.00	0.00	50.836	5.522	0.018	285.0	280.6	277.2	272.9
28	762.00	48.00	0.00	50.830	4.920	0.019	285.0	280.6	289.4	285.4
29	762.00	56.00	0.00	50.931	4.157	0.016	285.0	280.6	273.9	270.7
30	762.00	64.00	0.00	50.962	3.418	0.020	285.0	280.6	276.0	273.3
31	762.00	72.00	0.00	51.006	2.612	0.014	285.0	280.6	284.2	282.1
32	762.00	80.00	0.00	51.095	2.169	0.015	285.0	280.6	284.3	282.5
33	762.00	88.00	0.00	51.001	1.412	0.015	285.0	280.7	284.4	283.2
34	762.00	96.00	0.00	51.006	1.083	0.018	285.0	280.6	282.8	281.9
35	762.00	104.00	0.00	51.016	0.872	0.015	284.9	280.6	284.4	283.7
36	762.00	112.00	0.00	50.994	0.556	0.017	285.0	280.6	284.6	284.1
37	762.00	120.00	0.00	50.990	0.338	0.015	285.0	280.6	284.6	284.3
38	762.00	128.00	0.00	50.974	0.172	0.015	285.0	280.6	284.7	284.6
39	762.00	136.00	0.00	50.981	0.085	0.014	285.0	280.6	284.7	284.6
40	762.00	144.00	0.00	50.973	0.032	0.016	285.1	280.6	284.8	284.8
41	762.00	152.00	0.00	50.976	0.013	0.014	285.1	280.6	284.8	284.8
42	762.00	160.00	0.00	50.999	0.013	0.013	285.1	280.6	284.9	284.9

File : TAB296T 1-FEB-89
1-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 13
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.799 kPa

Mean gauged plenum pressure : 51.051 kPa
RMS gauged plenum pressure : 0.196 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	-160.00	0.00	50.857	0.012	0.011	292.1	283.1	0.0	0.0
3	660.40	-152.00	0.00	50.893	0.010	0.011	292.2	283.0	0.0	0.0
4	660.40	-144.00	0.00	51.208	0.010	0.012	292.0	282.8	0.0	0.0
5	660.40	-136.00	0.00	51.357	0.013	0.012	291.9	282.6	0.0	0.0
6	660.40	-128.00	0.00	51.222	0.041	0.012	291.8	282.6	0.0	0.0
7	660.40	-120.00	0.00	51.005	0.197	0.011	291.8	282.5	0.0	0.0
8	660.40	-112.00	0.00	50.682	0.396	0.011	291.8	282.4	0.0	0.0
9	660.40	-104.00	0.00	50.878	0.718	0.012	291.8	282.3	0.0	0.0
10	660.40	-96.00	0.00	50.918	1.053	0.011	292.0	282.3	0.0	0.0
11	660.40	-88.00	0.00	50.999	1.548	0.011	291.9	282.2	0.0	0.0
12	660.40	-80.00	0.00	51.269	2.501	0.011	292.0	282.2	0.0	0.0
13	660.40	-72.00	0.00	51.096	3.453	0.011	291.8	282.2	0.0	0.0
14	660.40	-64.00	0.00	51.221	4.372	0.011	291.8	282.1	0.0	0.0
15	660.40	-56.00	0.00	50.938	5.258	0.011	291.7	282.1	0.0	0.0

16	660.40	-48.00	0.00	50.786	6.258	0.011	291.7	282.1	0.0	0.0
17	660.40	-40.00	0.00	50.775	6.989	0.011	291.7	282.0	0.0	0.0
18	660.40	-32.00	0.00	51.007	7.703	0.011	291.6	282.0	0.0	0.0
19	660.40	-24.00	0.00	51.040	7.882	0.011	291.6	282.0	0.0	0.0
20	660.40	-16.00	0.00	51.202	7.972	0.011	291.7	282.0	0.0	0.0
21	660.40	-8.00	0.00	51.354	7.858	0.011	291.8	282.0	316.0	309.1
22	660.40	0.00	0.00	51.357	8.027	0.011	291.8	282.1	193.3	189.0
23	660.40	8.00	0.00	51.135	7.976	0.012	291.9	282.1	294.0	287.5
24	660.40	16.00	0.00	51.078	7.924	0.011	292.1	282.1	288.9	282.5
25	660.40	24.00	0.00	50.859	7.874	0.012	292.2	282.1	299.0	292.5
26	660.40	32.00	0.00	50.967	7.648	0.012	292.6	282.0	320.2	313.4
27	660.40	40.00	0.00	50.927	6.959	0.012	292.9	282.0	297.2	291.4
28	660.40	48.00	0.00	50.997	6.164	0.012	292.9	282.0	294.3	289.2
29	660.40	56.00	0.00	51.167	5.191	0.012	293.1	282.0	192.8	190.0
30	660.40	64.00	0.00	51.262	4.036	0.012	292.7	282.0	0.0	0.0
31	660.40	72.00	0.00	51.226	3.302	0.012	292.5	282.0	0.0	0.0
32	660.40	80.00	0.00	51.222	2.452	0.012	292.3	282.0	0.0	0.0
33	660.40	88.00	0.00	50.960	1.585	0.012	292.2	282.0	0.0	0.0
34	660.40	96.00	0.00	50.945	1.184	0.013	292.2	282.0	0.0	0.0
35	660.40	104.00	0.00	50.842	0.653	0.012	292.1	282.0	0.0	0.0
36	660.40	112.00	0.00	51.059	0.381	0.014	292.1	282.0	0.0	0.0
37	660.40	120.00	0.00	51.017	0.180	0.013	292.2	282.0	0.0	0.0
38	660.40	128.00	0.00	51.044	0.096	0.012	292.3	282.0	0.0	0.0
39	660.40	136.00	0.00	51.216	0.013	0.014	292.4	282.0	0.0	0.0
40	660.40	144.00	0.00	51.303	0.013	0.013	292.6	282.1	0.0	0.0
41	660.40	152.00	0.00	51.186	0.011	0.014	292.9	282.1	0.0	0.0
42	660.40	160.00	0.00	51.094	0.011	0.021	292.9	282.2	0.0	0.0

File : TAB297T

1-FEB-89
2-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 13
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.765 kPa

Mean gauged plenum pressure : 51.015 kPa
RMS gauged plenum pressure : 0.213 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	0.00	-120.00	50.908	0.018	0.013	293.8	282.4	0.0	0.0
3	660.40	0.00	-116.00	50.959	0.025	0.016	293.6	282.3	0.0	0.0
4	660.40	0.00	-112.00	51.001	0.038	0.016	293.4	282.2	0.0	0.0
5	660.40	0.00	-108.00	50.947	0.090	0.017	293.2	282.2	0.0	0.0
6	660.40	0.00	-104.00	50.261	0.121	0.016	293.1	282.0	0.0	0.0
7	660.40	0.00	-100.00	51.332	0.239	0.018	293.2	282.2	0.0	0.0
8	660.40	0.00	-96.00	51.035	0.290	0.019	293.2	282.3	0.0	0.0
9	660.40	0.00	-92.00	51.036	0.410	0.017	293.5	282.3	0.0	0.0
10	660.40	0.00	-88.00	50.847	0.611	0.015	293.8	282.3	0.0	0.0
11	660.40	0.00	-84.00	50.950	0.786	0.016	293.8	282.3	0.0	0.0
12	660.40	0.00	-80.00	50.867	0.973	0.023	293.8	282.3	0.0	0.0
13	660.40	0.00	-76.00	51.299	1.175	0.022	293.8	282.4	0.0	0.0
14	660.40	0.00	-72.00	51.212	1.511	0.022	293.9	282.4	0.0	0.0
15	660.40	0.00	-68.00	50.962	1.790	0.024	293.9	282.4	0.0	0.0

16	660.40	0.00	-64.00	50.771	2.060	0.022	293.9	282.2	0.0	0.0
17	660.40	0.00	-60.00	50.869	2.571	0.021	293.9	282.2	0.0	0.0
18	660.40	0.00	-56.00	50.954	2.975	0.024	293.7	282.1	0.0	0.0
19	660.40	0.00	-52.00	51.177	3.472	0.029	293.5	282.1	0.0	0.0
20	660.40	0.00	-48.00	51.128	3.940	0.027	293.3	282.1	0.0	0.0
21	660.40	0.00	-44.00	51.277	4.525	0.020	293.3	282.1	0.0	0.0
22	660.40	0.00	-40.00	51.097	4.966	0.023	293.6	282.1	0.0	0.0
23	660.40	0.00	-36.00	50.969	5.574	0.017	293.9	282.2	0.0	0.0
24	660.40	0.00	-32.00	50.962	6.298	0.017	294.2	282.1	0.0	0.0
25	660.40	0.00	-28.00	50.973	6.745	0.020	294.4	282.1	98.2	96.3
26	660.40	0.00	-24.00	51.027	7.347	0.017	294.1	282.1	0.0	0.0
27	660.40	0.00	-20.00	50.997	7.822	0.020	294.0	282.1	0.0	0.0
28	660.40	0.00	-16.00	51.144	7.942	0.025	293.8	282.1	0.0	0.0
29	660.40	0.00	-12.00	51.048	8.223	0.021	293.7	282.0	92.5	90.4
30	660.40	0.00	-8.00	51.200	8.296	0.021	293.5	282.1	286.3	279.7
31	660.40	0.00	-4.00	51.125	8.218	0.017	293.3	282.0	290.7	284.1
32	660.40	0.00	0.00	51.144	8.075	0.015	293.5	282.1	288.9	282.4
33	660.40	0.00	4.00	51.100	7.638	0.018	293.7	282.1	285.0	278.9
34	660.40	0.00	8.00	50.829	7.126	0.016	293.7	282.1	281.4	275.8
35	660.40	0.00	12.00	51.070	6.680	0.018	293.8	282.1	278.6	273.4
36	660.40	0.00	16.00	51.058	6.076	0.016	293.8	282.1	302.2	297.0
37	660.40	0.00	20.00	51.066	5.447	0.016	293.9	282.1	299.2	294.6

File : TAB292T 31-JAN-89
31-JAN-89

Reduced experimental data file

DIAGONAL PROFILE'

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG III(B)

C1 : X/D = 13
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.070 kPa

Mean gauged plenum pressure : 51.053 kPa
RMS gauged plenum pressure : 0.157 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	-160.00	0.00	50.802	0.013	0.012	280.7	280.2	280.1	280.1
3	660.40	-152.00	0.00	50.870	0.012	0.012	280.6	280.1	280.1	280.1
4	660.40	-144.00	0.00	50.902	0.012	0.012	280.7	280.1	280.2	280.2
5	660.40	-136.00	0.00	50.911	0.013	0.012	280.6	280.1	280.2	280.2
6	660.40	-128.00	0.00	50.925	0.070	0.013	280.6	280.1	280.2	280.1
7	660.40	-120.00	0.00	50.879	0.151	0.012	280.7	280.1	280.3	280.2
8	660.40	-112.00	0.00	51.152	0.352	0.015	280.7	280.1	280.3	280.0
9	660.40	-104.00	0.00	51.202	0.564	0.013	280.7	280.1	280.3	279.8
10	660.40	-96.00	0.00	51.193	0.919	0.013	280.7	280.1	280.3	279.6
11	660.40	-88.00	0.00	51.190	1.395	0.013	280.7	280.1	280.2	279.1
12	660.40	-80.00	0.00	51.181	1.998	0.013	280.8	280.1	290.1	288.4
13	660.40	-72.00	0.00	51.141	2.837	0.015	280.8	280.1	286.8	284.5
14	660.40	-64.00	0.00	51.091	3.729	0.014	281.0	280.1	276.9	274.0
15	660.40	-56.00	0.00	51.055	4.753	0.014	281.0	280.1	275.3	271.6

16	660.40	-48.00	0.00	51.005	5.655	0.013	281.1	280.1	277.6	273.2
17	660.40	-40.00	0.00	50.741	6.339	0.015	281.1	280.1	307.0	301.6
18	660.40	-32.00	0.00	51.427	7.001	0.015	281.1	280.1	0.0	0.0
19	660.40	-24.00	0.00	50.960	7.452	0.015	281.2	280.1	0.0	0.0
20	660.40	-16.00	0.00	51.172	7.665	0.013	281.2	280.1	295.2	288.9
21	660.40	-8.00	0.00	51.186	7.779	0.017	281.4	280.1	92.4	90.4
22	660.40	0.00	0.00	51.183	7.913	0.016	281.5	280.1	0.0	0.0
23	660.40	8.00	0.00	51.147	7.986	0.018	281.5	280.1	190.0	185.8
24	660.40	16.00	0.00	50.833	8.161	0.021	281.5	280.1	0.0	0.0
25	660.40	24.00	0.00	50.915	8.046	0.021	281.5	280.1	281.0	274.7
26	660.40	32.00	0.00	50.745	7.771	0.018	281.4	280.1	280.6	274.5
27	660.40	40.00	0.00	51.163	7.195	0.019	281.4	280.1	280.3	274.7
28	660.40	48.00	0.00	51.007	6.070	0.018	281.5	280.1	280.4	275.6
29	660.40	56.00	0.00	51.229	5.378	0.018	281.6	280.1	276.9	272.7
30	660.40	64.00	0.00	51.148	3.821	0.019	281.6	280.1	84.9	84.0
31	660.40	72.00	0.00	51.080	3.005	0.020	281.7	280.1	297.1	294.5
32	660.40	80.00	0.00	51.001	2.237	0.023	281.8	280.0	280.9	279.1
33	660.40	88.00	0.00	51.032	1.520	0.018	281.8	280.1	273.8	272.6
34	660.40	96.00	0.00	51.029	0.950	0.022	281.9	280.1	281.0	280.2
35	660.40	104.00	0.00	51.070	0.683	0.020	282.0	280.1	281.0	280.4
36	660.40	112.00	0.00	51.090	0.506	0.021	282.0	280.1	281.1	280.7
37	660.40	120.00	0.00	51.132	0.227	0.022	282.1	280.1	281.2	281.0
38	660.40	128.00	0.00	51.131	0.133	0.023	282.2	280.1	281.3	281.2
39	660.40	136.00	0.00	51.123	0.024	0.021	282.1	280.1	281.3	281.3
40	660.40	144.00	0.00	51.108	0.014	0.021	282.1	280.1	281.3	281.3
41	660.40	152.00	0.00	51.104	0.013	0.020	282.3	280.1	281.4	281.4
42	660.40	160.00	0.00	51.087	0.013	0.025	282.3	280.1	281.4	281.4

File : TAB301T 3-FEB-89
3-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 11
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.307 kPa

Mean gauged plenum pressure : 51.219 kPa
RMS gauged plenum pressure : 0.566 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	-160.00	0.00	51.171	0.139	0.073	287.5	282.1	287.3	287.2
3	558.80	-152.00	0.00	50.819	0.122	0.072	287.5	282.1	287.4	287.3
4	558.80	-144.00	0.00	50.546	0.118	0.071	287.6	282.2	287.4	287.3
5	558.80	-136.00	0.00	50.392	0.097	0.068	287.6	282.2	287.5	287.4
6	558.80	-128.00	0.00	51.328	0.136	0.060	287.7	282.1	287.4	287.3
7	558.80	-120.00	0.00	51.391	0.223	0.066	287.7	282.2	287.4	287.2
8	558.80	-112.00	0.00	51.459	0.350	0.072	287.6	282.2	287.4	287.1
9	558.80	-104.00	0.00	51.398	0.636	0.077	287.6	282.2	287.5	287.0
10	558.80	-96.00	0.00	51.357	1.224	0.072	287.6	282.2	287.4	286.4
11	558.80	-88.00	0.00	51.513	1.687	0.074	287.6	282.2	287.5	286.1
12	558.80	-80.00	0.00	51.470	2.744	0.074	287.6	282.2	287.4	285.1
13	558.80	-72.00	0.00	51.478	3.821	0.074	287.6	282.2	287.4	284.3
14	558.80	-64.00	0.00	51.422	5.134	0.071	287.6	282.2	287.4	283.2
15	558.80	-56.00	0.00	51.320	6.603	0.070	287.6	282.2	287.4	282.1

16	558.80	-48.00	0.00	51.215	7.976	0.073	287.7	282.2	287.4	281.1
17	558.80	-40.00	0.00	51.305	9.310	0.074	287.6	282.2	287.4	280.1
18	558.80	-32.00	0.00	51.209	10.162	0.069	287.6	282.1	287.3	279.3
19	558.80	-24.00	0.00	51.237	10.409	0.069	287.7	282.1	287.4	279.2
20	558.80	-16.00	0.00	51.242	10.256	0.067	287.7	282.1	287.4	279.4
21	558.80	-8.00	0.00	51.197	9.901	0.068	287.7	282.1	287.4	279.6
22	558.80	0.00	0.00	51.204	9.683	0.068	287.8	282.1	287.3	279.7
23	558.80	8.00	0.00	51.399	9.886	0.067	287.8	282.1	287.3	279.5
24	558.80	16.00	0.00	51.382	10.197	0.064	287.9	282.1	287.4	279.4
25	558.80	24.00	0.00	51.464	10.437	0.062	288.0	282.1	287.5	279.3
26	558.80	32.00	0.00	51.442	10.001	0.064	288.0	282.1	287.6	279.7
27	558.80	40.00	0.00	51.422	9.145	0.059	288.1	282.1	287.6	280.4
28	558.80	48.00	0.00	51.396	7.756	0.056	288.1	282.1	287.6	281.4
29	558.80	56.00	0.00	51.366	6.146	0.056	288.1	282.1	287.6	282.7
30	558.80	64.00	0.00	51.297	4.341	0.054	288.2	282.1	287.7	284.2
31	558.80	72.00	0.00	51.261	3.032	0.056	288.2	282.1	287.7	285.2
32	558.80	80.00	0.00	51.389	2.076	0.053	288.2	282.1	287.8	286.1
33	558.80	88.00	0.00	51.342	1.375	0.048	288.7	282.1	287.9	286.8
34	558.80	96.00	0.00	51.356	0.763	0.042	289.0	282.1	287.9	287.3
35	558.80	104.00	0.00	51.339	0.529	0.038	289.3	282.1	288.0	287.6
36	558.80	112.00	0.00	51.331	0.259	0.038	289.4	282.1	288.0	287.8
37	558.80	120.00	0.00	51.334	0.077	0.033	289.6	282.1	288.0	287.9
38	558.80	128.00	0.00	51.451	0.046	0.029	289.3	282.1	288.1	288.1
39	558.80	136.00	0.00	51.365	0.022	0.032	288.8	282.1	288.1	288.1
40	558.80	144.00	0.00	51.327	0.013	0.031	288.6	282.1	288.1	288.1
41	558.80	152.00	0.00	51.343	0.013	0.026	288.5	282.1	288.1	288.1
42	558.80	160.00	0.00	48.222	0.013	0.019	288.5	281.9	288.1	288.1

File : TAB300T 2-FEB-89
2-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 11
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.239 kPa

Mean gauged plenum pressure : 51.354 kPa
RMS gauged plenum pressure : 0.538 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	0.00	-120.00	51.487	0.013	0.013	293.4	282.3	292.4	292.4
3	558.80	0.00	-116.00	51.481	0.013	0.014	293.6	282.3	292.4	292.4
4	558.80	0.00	-112.00	51.488	0.013	0.012	293.6	282.2	292.4	292.4
5	558.80	0.00	-108.00	51.491	0.017	0.014	293.6	282.2	292.4	292.4
6	558.80	0.00	-104.00	51.478	0.014	0.012	293.6	282.2	292.4	292.4
7	558.80	0.00	-100.00	51.477	0.065	0.013	293.3	282.1	292.4	292.3
8	558.80	0.00	-96.00	51.486	0.087	0.013	292.9	282.2	292.4	292.3
9	558.80	0.00	-92.00	51.496	0.173	0.014	292.8	282.2	292.4	292.3
10	558.80	0.00	-88.00	51.505	0.286	0.014	292.7	282.2	292.4	292.2
11	558.80	0.00	-84.00	51.496	0.362	0.012	292.6	282.1	292.4	292.1
12	558.80	0.00	-80.00	51.503	0.614	0.013	292.6	282.1	292.4	291.9
13	558.80	0.00	-76.00	51.505	0.785	0.013	292.6	282.2	292.4	291.7
14	558.80	0.00	-72.00	51.519	1.085	0.015	292.5	282.2	292.4	291.5
15	558.80	0.00	-68.00	51.530	1.446	0.014	292.6	282.2	292.4	291.2

16	558.80	0.00	-64.00	51.515	1.882	0.013	292.6	282.2	292.4	290.8
17	558.80	0.00	-60.00	51.543	2.361	0.013	292.6	282.2	292.4	290.4
18	558.80	0.00	-56.00	51.544	2.829	0.013	292.6	282.2	292.4	290.0
19	558.80	0.00	-52.00	51.539	3.508	0.015	292.6	282.2	292.4	289.5
20	558.80	0.00	-48.00	51.550	4.099	0.016	292.6	282.3	292.4	289.0
21	558.80	0.00	-44.00	51.536	4.913	0.015	292.7	282.3	292.5	288.4
22	558.80	0.00	-40.00	51.548	5.707	0.014	293.1	282.2	292.5	287.8
23	558.80	0.00	-36.00	51.573	6.396	0.017	293.5	282.2	292.5	287.3
24	558.80	0.00	-32.00	51.555	7.219	0.016	293.4	282.2	292.6	286.7
25	558.80	0.00	-28.00	51.567	8.040	0.014	293.7	282.2	292.6	286.1
26	558.80	0.00	-24.00	51.562	8.866	0.019	293.3	282.2	292.6	285.5
27	558.80	0.00	-20.00	51.571	9.545	0.018	293.5	282.2	292.5	284.8
28	558.80	0.00	-16.00	48.813	9.595	0.017	293.6	282.1	292.6	284.9
29	558.80	0.00	-12.00	51.116	10.222	0.015	293.1	282.2	292.5	284.3
30	558.80	0.00	-8.00	51.590	10.412	0.016	292.9	282.2	292.5	284.2
31	558.80	0.00	-4.00	51.691	10.222	0.014	292.8	282.2	292.4	284.2
32	558.80	0.00	0.00	51.799	9.815	0.013	292.8	282.2	292.3	284.4
33	558.80	0.00	4.00	51.737	9.138	0.013	292.8	282.2	292.2	284.9
34	558.80	0.00	8.00	51.339	8.398	0.013	292.7	282.2	292.1	285.3
35	558.80	0.00	12.00	50.818	7.582	0.013	292.7	282.1	291.9	285.8
36	558.80	0.00	16.00	50.512	6.635	0.014	292.7	282.1	291.6	286.2
37	558.80	0.00	20.00	50.337	5.703	0.015	292.7	282.2	291.5	286.8

File : TAB304T 6-FEB-89
6-FEB-89

Reduced experimental data file

DIAGONAL PROFILE'

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG III(B)

C1 : X/D = 11
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.510 kPa

Mean gauged plenum pressure : 51.116 kPa
RMS gauged plenum pressure : 0.124 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	-160.00	0.00	51.182	0.034	0.014	281.4	280.9	281.3	281.3
3	558.80	-152.00	0.00	51.168	0.022	0.013	281.4	280.9	281.4	281.4
4	558.80	-144.00	0.00	51.106	0.014	0.014	281.3	280.9	281.4	281.4
5	558.80	-136.00	0.00	50.986	0.014	0.019	281.3	280.9	281.4	281.4
6	558.80	-128.00	0.00	50.920	0.014	0.016	281.3	280.9	281.4	281.4
7	558.80	-120.00	0.00	50.987	0.084	0.016	281.3	280.9	281.4	281.3
8	558.80	-112.00	0.00	50.978	0.153	0.017	281.3	280.9	281.4	281.3
9	558.80	-104.00	0.00	51.160	0.397	0.016	281.3	280.9	281.4	281.1
10	558.80	-96.00	0.00	51.115	0.773	0.017	281.3	280.9	281.4	280.8
11	558.80	-88.00	0.00	51.118	1.371	0.017	281.3	280.9	281.4	280.3
12	558.80	-80.00	0.00	51.170	2.048	0.015	281.3	280.9	281.4	279.7
13	558.80	-72.00	0.00	51.317	2.913	0.014	281.4	280.9	281.4	279.1
14	558.80	-64.00	0.00	51.372	4.156	0.018	281.4	280.9	281.6	278.3
15	558.80	-56.00	0.00	51.239	5.406	0.017	281.4	280.9	281.4	277.1

16	558.80	-48.00	0.00	51.194	7.090	0.018	281.4	280.9	281.4	275.9
17	558.80	-40.00	0.00	51.200	8.555	0.018	281.3	280.9	281.5	274.9
18	558.80	-32.00	0.00	51.205	9.470	0.015	281.4	280.9	281.3	274.0
19	558.80	-24.00	0.00	51.219	9.795	0.016	281.4	281.0	281.3	273.8
20	558.80	-16.00	0.00	51.203	9.933	0.014	281.4	280.9	281.4	273.8
21	558.80	-8.00	0.00	51.199	9.877	0.017	281.5	281.0	281.4	273.8
22	558.80	0.00	0.00	51.173	9.962	0.015	281.5	281.0	281.4	273.7
23	558.80	8.00	0.00	51.038	10.166	0.014	281.5	281.0	281.3	273.5
24	558.80	16.00	0.00	50.886	10.482	0.018	281.5	281.0	281.2	273.2
25	558.80	24.00	0.00	50.786	10.636	0.015	281.4	281.0	281.2	273.1
26	558.80	32.00	0.00	51.169	10.049	0.014	281.4	281.0	281.3	273.6
27	558.80	40.00	0.00	51.123	8.925	0.015	281.5	281.0	281.3	274.4
28	558.80	48.00	0.00	51.105	7.109	0.016	281.5	281.0	281.3	275.7
29	558.80	56.00	0.00	51.080	5.300	0.015	281.6	281.0	281.3	277.1
30	558.80	64.00	0.00	51.058	4.109	0.016	281.6	281.0	281.4	278.1
31	558.80	72.00	0.00	51.138	2.823	0.015	281.5	281.0	281.4	279.1
32	558.80	80.00	0.00	51.295	1.821	0.015	281.5	281.0	281.4	279.9
33	558.80	88.00	0.00	51.182	0.804	0.017	281.5	281.0	281.4	280.7
34	558.80	96.00	0.00	51.128	0.729	0.017	281.5	281.0	281.4	280.8
35	558.80	104.00	0.00	51.147	0.364	0.017	281.5	281.0	281.4	281.1
36	558.80	112.00	0.00	51.129	0.080	0.016	281.5	281.0	281.4	281.3
37	558.80	120.00	0.00	51.119	0.028	0.015	281.5	280.9	281.4	281.4
38	558.80	128.00	0.00	51.122	0.020	0.015	281.6	281.0	281.5	281.5
39	558.80	136.00	0.00	51.099	0.013	0.017	281.5	281.0	281.4	281.4
40	558.80	144.00	0.00	51.052	0.013	0.015	281.6	281.0	281.4	281.4
41	558.80	152.00	0.00	51.004	0.013	0.015	281.6	281.0	281.5	281.5
42	558.80	160.00	0.00	51.026	0.012	0.018	281.7	281.0	281.5	281.5

File : TAB155T 16-NOV-88
16-NOV-88

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config. III(b)

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.833 kPa

Mean gauged plenum pressure : 51.086 kPa
RMS gauged plenum pressure : 0.416 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.487	0.256	0.012	297.0	286.7	294.7	294.5
3	457.20	-105.00	0.00	51.892	0.517	0.012	296.9	286.7	294.2	293.8
4	457.20	-100.00	0.00	52.438	0.680	0.012	296.5	286.6	293.9	293.3
5	457.20	-95.00	0.00	51.220	0.971	0.012	296.6	286.6	293.3	292.5
6	457.20	-90.00	0.00	51.218	1.529	0.012	296.2	286.6	293.1	291.8
7	457.20	-85.00	0.00	51.065	2.334	0.012	296.4	286.5	293.1	291.1
8	457.20	-80.00	0.00	50.884	2.952	0.012	296.3	286.5	292.7	290.2
9	457.20	-75.00	0.00	50.687	3.769	0.012	296.2	286.5	292.3	289.2
10	457.20	-70.00	0.00	50.511	4.818	0.012	296.2	286.5	291.9	287.9
11	457.20	-65.00	0.00	50.480	6.179	0.012	296.0	286.5	291.3	286.2
12	457.20	-60.00	0.00	50.571	7.331	0.012	296.0	286.5	291.2	285.2
13	457.20	-55.00	0.00	50.793	8.646	0.012	296.1	286.5	291.0	284.0
14	457.20	-50.00	0.00	51.009	10.103	0.012	296.1	286.5	290.7	282.6
15	457.20	-45.00	0.00	51.010	11.375	0.012	296.1	286.5	290.4	281.4
16	457.20	-40.00	0.00	50.845	12.735	0.012	296.1	286.5	290.4	280.4

17	457.20	-35.00	0.00	50.756	13.439	0.012	296.0	286.4	290.2	279.7
18	457.20	-30.00	0.00	50.695	13.854	0.012	295.9	286.4	290.0	279.2
19	457.20	-25.00	0.00	50.609	13.561	0.012	295.9	286.4	289.7	279.1
20	457.20	-20.00	0.00	50.627	12.791	0.012	295.8	286.4	289.6	279.6
21	457.20	-15.00	0.00	50.745	11.745	0.012	295.9	286.4	289.4	280.2
22	457.20	-10.00	0.00	50.840	11.008	0.012	296.0	286.3	289.4	280.7
23	457.20	-5.00	0.00	50.902	10.526	0.012	295.9	286.3	289.1	280.8
24	457.20	0.00	0.00	50.969	10.349	0.012	295.9	286.3	288.9	280.7
25	457.20	5.00	0.00	50.959	10.999	0.012	295.8	286.3	289.0	280.3
26	457.20	10.00	0.00	50.927	11.724	0.012	295.7	286.2	289.1	279.9
27	457.20	15.00	0.00	50.931	12.953	0.012	295.8	286.3	289.4	279.3
28	457.20	20.00	0.00	50.940	13.666	0.012	295.9	286.2	289.6	279.0
29	457.20	25.00	0.00	50.886	14.067	0.012	296.6	286.2	289.9	279.0
30	457.20	30.00	0.00	50.726	13.661	0.012	296.9	286.2	289.8	279.2
31	457.20	35.00	0.00	50.696	12.711	0.012	296.7	286.2	290.0	280.0
32	457.20	40.00	0.00	50.817	10.860	0.012	297.0	286.2	290.1	281.5
33	457.20	45.00	0.00	50.930	9.298	0.012	296.9	286.2	290.0	282.6
34	457.20	50.00	0.00	51.073	7.035	0.012	296.4	286.2	290.3	284.6
35	457.20	55.00	0.00	51.125	5.784	0.013	296.4	286.2	290.6	285.9
36	457.20	60.00	0.00	51.097	4.437	0.013	296.5	286.2	290.9	287.2
37	457.20	65.00	0.00	51.027	3.680	0.013	296.2	286.2	291.4	288.3
38	457.20	70.00	0.00	50.972	2.884	0.013	296.0	286.2	291.8	289.4
39	457.20	75.00	0.00	51.277	2.374	0.012	295.9	286.2	292.1	290.1
40	457.20	80.00	0.00	51.472	1.705	0.012	295.8	286.2	292.3	290.9
41	457.20	85.00	0.00	51.628	1.202	0.013	295.7	286.2	292.9	291.9
42	457.20	90.00	0.00	51.734	0.830	0.012	295.7	286.2	293.1	292.4
43	457.20	95.00	0.00	51.754	0.450	0.012	295.7	286.2	293.5	293.1
44	457.20	100.00	0.00	51.718	0.263	0.014	295.7	286.2	293.8	293.6
45	457.20	105.00	0.00	51.624	0.149	0.014	295.6	286.2	294.0	293.9
46	457.20	110.00	0.00	51.561	0.024	0.015	295.6	286.2	294.3	294.3

File : TAB156T 16-NOV-88
16-NOV-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, Config. III(b)

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.799 kPa

Mean gauged plenum pressure : 52.019 kPa
RMS gauged plenum pressure : 0.330 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-100.00	51.478	0.013	0.016	296.3	286.2	294.3	294.3
3	457.20	0.00	-97.00	51.492	0.012	0.014	296.2	286.2	294.5	294.5
4	457.20	0.00	-94.00	51.610	0.012	0.013	296.4	286.2	294.2	294.2
5	457.20	0.00	-91.00	51.732	0.013	0.014	296.4	286.2	294.0	294.0
6	457.20	0.00	-88.00	51.823	0.024	0.020	296.0	286.2	293.8	293.8
7	457.20	0.00	-85.00	51.865	0.048	0.016	295.6	286.1	293.5	293.5
8	457.20	0.00	-82.00	51.848	0.160	0.014	295.5	286.1	293.2	293.1
9	457.20	0.00	-79.00	52.013	0.215	0.014	295.4	286.1	292.9	292.7
10	457.20	0.00	-76.00	51.896	0.352	0.013	295.4	286.1	292.7	292.4
11	457.20	0.00	-73.00	51.824	0.595	0.013	295.4	286.1	292.4	291.9
12	457.20	0.00	-70.00	51.754	0.739	0.014	295.4	286.1	292.4	291.8
13	457.20	0.00	-67.00	51.730	0.990	0.014	295.3	286.0	292.1	291.3
14	457.20	0.00	-64.00	51.751	1.430	0.014	295.3	286.1	292.0	290.8
15	457.20	0.00	-61.00	51.750	1.752	0.014	295.4	286.0	291.6	290.1
16	457.20	0.00	-58.00	51.749	2.102	0.013	295.3	286.1	291.5	289.7

17	457.20	0.00	-55.00	51.713	2.582	0.014	295.3	286.0	291.2	289.0
18	457.20	0.00	-52.00	51.680	3.106	0.013	295.3	286.0	291.1	288.5
19	457.20	0.00	-49.00	51.671	3.695	0.014	295.3	286.0	290.9	287.8
20	457.20	0.00	-46.00	51.658	4.359	0.013	295.3	286.0	290.7	287.1
21	457.20	0.00	-43.00	51.836	4.939	0.014	295.3	286.0	290.6	286.5
22	457.20	0.00	-40.00	52.217	5.734	0.013	295.3	286.0	290.3	285.6
23	457.20	0.00	-37.00	52.229	6.464	0.013	295.3	286.0	290.2	284.9
24	457.20	0.00	-34.00	52.225	7.143	0.015	295.3	286.0	290.0	284.2
25	457.20	0.00	-31.00	52.166	7.927	0.013	295.6	286.0	290.0	283.6
26	457.20	0.00	-28.00	52.139	8.833	0.013	296.2	286.0	289.9	282.8
27	457.20	0.00	-25.00	52.093	9.441	0.013	296.3	286.0	289.8	282.3
28	457.20	0.00	-22.00	52.170	10.154	0.014	296.0	286.0	289.5	281.4
29	457.20	0.00	-19.00	52.207	10.794	0.015	296.3	286.0	289.2	280.7
30	457.20	0.00	-16.00	52.136	11.244	0.019	296.4	286.0	289.2	280.3
31	457.20	0.00	-13.00	52.181	11.613	0.014	296.4	286.1	289.0	279.9
32	457.20	0.00	-10.00	52.263	11.629	0.012	296.1	286.0	288.8	279.7
33	457.20	0.00	-7.00	52.270	11.766	0.013	296.0	286.0	288.7	279.5
34	457.20	0.00	-4.00	52.290	11.434	0.014	295.6	286.0	288.4	279.4
35	457.20	0.00	-1.00	52.350	10.896	0.013	295.3	286.0	288.4	279.8
36	457.20	0.00	2.00	52.416	10.461	0.013	295.1	286.0	288.3	280.0
37	457.20	0.00	5.00	52.498	9.722	0.013	295.0	286.1	288.4	280.7
38	457.20	0.00	8.00	52.535	8.945	0.013	295.0	286.0	288.3	281.2
39	457.20	0.00	11.00	52.583	8.185	0.013	294.9	286.0	288.5	281.9
40	457.20	0.00	14.00	52.679	7.272	0.012	294.9	286.0	288.6	282.7
41	457.20	0.00	17.00	52.497	6.273	0.013	294.9	286.0	288.8	283.7
42	457.20	0.00	20.00	52.359	5.479	0.012	294.8	286.0	288.8	284.3

File : TAB170T 9-DEC-88
21-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB
Config III(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.239 kPa

Mean gauged plenum pressure : 51.385 kPa
RMS gauged plenum pressure : 0.426 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	52.176	0.165	0.019	289.3	284.8	287.3	287.2
3	457.20	-105.00	0.00	52.187	0.234	0.014	289.1	284.8	287.0	286.8
4	457.20	-100.00	0.00	51.835	0.447	0.016	289.1	284.8	286.9	286.5
5	457.20	-95.00	0.00	51.532	0.655	0.019	289.4	284.8	287.0	286.5
6	457.20	-90.00	0.00	51.267	1.057	0.018	289.4	284.8	286.9	286.0
7	457.20	-85.00	0.00	50.898	1.492	0.016	289.4	284.8	286.5	285.3
8	457.20	-80.00	0.00	49.896	2.156	0.018	289.3	284.8	286.0	284.2
9	457.20	-75.00	0.00	52.759	2.993	0.017	289.3	284.9	286.4	284.0
10	457.20	-70.00	0.00	51.100	3.744	0.013	289.4	285.0	286.0	283.0
11	457.20	-65.00	0.00	50.999	5.004	0.016	289.4	284.9	285.8	281.8
12	457.20	-60.00	0.00	51.430	6.169	0.016	289.4	284.9	285.8	280.9
13	457.20	-55.00	0.00	51.327	7.126	0.013	289.5	284.9	285.5	279.8
14	457.20	-50.00	0.00	51.176	8.544	0.014	289.7	284.9	285.4	278.7
15	457.20	-45.00	0.00	51.506	9.671	0.014	289.6	284.9	285.4	277.8

16	457.20	-40.00	0.00	51.468	11.182	0.013	289.4	284.9	285.5	276.8
17	457.20	-35.00	0.00	51.760	12.518	0.013	289.1	285.0	285.3	275.7
18	457.20	-30.00	0.00	51.279	12.837	0.013	289.2	285.0	285.1	275.3
19	457.20	-25.00	0.00	51.189	12.846	0.012	289.1	285.0	285.3	275.4
20	457.20	-20.00	0.00	51.187	12.396	0.012	289.2	285.0	284.8	275.3
21	457.20	-15.00	0.00	51.358	11.932	0.012	289.2	284.9	284.5	275.3
22	457.20	-10.00	0.00	51.324	11.159	0.012	289.2	284.9	284.5	275.9
23	457.20	-5.00	0.00	51.358	10.666	0.012	289.1	284.9	284.1	275.8
24	457.20	0.00	0.00	51.435	10.690	0.012	289.2	284.9	284.3	276.0
25	457.20	5.00	0.00	51.533	11.301	0.012	289.3	285.0	284.4	275.7
26	457.20	10.00	0.00	51.324	12.061	0.012	289.1	285.0	284.4	275.1
27	457.20	15.00	0.00	51.732	13.200	0.012	289.1	285.0	284.8	274.7
28	457.20	20.00	0.00	51.046	13.771	0.012	289.2	284.9	285.2	274.7
29	457.20	25.00	0.00	51.411	14.347	0.012	289.2	284.9	285.2	274.3
30	457.20	30.00	0.00	50.928	13.568	0.012	289.2	284.9	285.3	274.9
31	457.20	35.00	0.00	51.266	12.341	0.012	289.3	284.9	285.2	275.7
32	457.20	40.00	0.00	51.503	10.888	0.012	289.4	284.9	284.9	276.5
33	457.20	45.00	0.00	51.267	8.890	0.013	289.4	285.0	285.3	278.3
34	457.20	50.00	0.00	51.564	6.907	0.012	289.4	284.9	285.2	279.7
35	457.20	55.00	0.00	51.695	5.435	0.012	289.4	285.0	285.3	280.9
36	457.20	60.00	0.00	51.296	4.362	0.012	289.7	284.9	285.4	281.9
37	457.20	65.00	0.00	51.327	3.589	0.012	290.0	284.9	285.7	282.8
38	457.20	70.00	0.00	51.149	2.337	0.012	290.5	284.9	285.8	283.9
39	457.20	75.00	0.00	50.876	1.855	0.012	290.7	284.9	286.1	284.6
40	457.20	80.00	0.00	51.390	1.371	0.012	290.7	285.0	286.6	285.5
41	457.20	85.00	0.00	51.361	0.772	0.012	290.7	284.9	286.8	286.2
42	457.20	90.00	0.00	51.483	0.672	0.012	290.0	284.9	286.7	286.1
43	457.20	95.00	0.00	51.479	0.369	0.012	289.8	284.9	286.8	286.5
44	457.20	100.00	0.00	51.632	0.155	0.012	289.5	284.9	286.9	286.8
45	457.20	105.00	0.00	51.287	0.103	0.012	289.3	285.0	286.9	286.8
46	457.20	110.00	0.00	51.275	0.050	0.012	289.5	285.0	287.3	287.3

File : TAB181T

10-DEC-88
23-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, +14 DEG
Config III(b)

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.138 kPa

Mean gauged plenum pressure : 51.321 kPa
RMS gauged plenum pressure : 0.209 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.373	0.191	0.013	283.4	283.8	283.1	282.9
3	457.20	-105.00	0.00	51.302	0.243	0.013	283.5	283.8	282.9	282.7
4	457.20	-100.00	0.00	51.269	0.378	0.013	283.5	283.8	282.8	282.5
5	457.20	-95.00	0.00	51.231	0.865	0.013	283.5	283.8	282.8	282.1
6	457.20	-90.00	0.00	51.244	1.347	0.013	283.5	283.8	282.8	281.7
7	457.20	-85.00	0.00	51.269	1.634	0.014	283.5	283.9	282.5	281.2
8	457.20	-80.00	0.00	51.283	2.223	0.013	283.5	283.9	282.6	280.8
9	457.20	-75.00	0.00	51.279	2.959	0.013	283.5	283.9	282.6	280.2
10	457.20	-70.00	0.00	51.239	3.768	0.013	283.5	283.9	282.3	279.3
11	457.20	-65.00	0.00	51.208	4.769	0.013	283.5	283.9	282.3	278.5
12	457.20	-60.00	0.00	51.192	5.790	0.013	283.6	283.9	282.3	277.7
13	457.20	-55.00	0.00	51.028	6.968	0.014	283.6	283.9	282.3	276.8
14	457.20	-50.00	0.00	50.960	8.187	0.013	283.7	283.9	282.3	275.9
15	457.20	-45.00	0.00	50.996	10.009	0.013	283.6	283.9	282.3	274.6

16	457.20	-40.00	0.00	51.463	11.764	0.018	283.6	283.9	282.2	273.2
17	457.20	-35.00	0.00	51.424	13.249	0.014	283.6	283.9	282.5	272.4
18	457.20	-30.00	0.00	51.408	14.138	0.013	283.7	283.9	282.4	271.7
19	457.20	-25.00	0.00	51.435	14.778	0.014	283.7	283.9	282.5	271.4
20	457.20	-20.00	0.00	51.479	14.767	0.017	283.7	283.9	282.3	271.2
21	457.20	-15.00	0.00	51.493	14.367	0.018	283.6	283.9	281.9	271.1
22	457.20	-10.00	0.00	51.522	13.645	0.016	283.7	283.9	281.8	271.5
23	457.20	-5.00	0.00	51.575	13.133	0.014	283.7	283.9	281.7	271.8
24	457.20	0.00	0.00	51.632	13.013	0.014	283.8	283.9	281.7	271.8
25	457.20	5.00	0.00	51.656	12.978	0.013	283.8	283.9	281.6	271.8
26	457.20	10.00	0.00	51.632	13.484	0.014	283.8	284.0	281.9	271.7
27	457.20	15.00	0.00	51.627	13.785	0.015	283.9	283.9	281.9	271.5
28	457.20	20.00	0.00	51.093	14.291	0.015	283.8	283.9	282.3	271.5
29	457.20	25.00	0.00	51.089	14.126	0.018	283.9	283.9	282.5	271.8
30	457.20	30.00	0.00	51.012	13.234	0.017	283.9	283.9	282.6	272.5
31	457.20	35.00	0.00	51.013	11.901	0.018	284.0	283.9	282.5	273.4
32	457.20	40.00	0.00	51.021	10.445	0.018	284.0	283.9	282.4	274.3
33	457.20	45.00	0.00	50.994	8.721	0.016	283.9	283.9	282.6	275.8
34	457.20	50.00	0.00	51.343	7.413	0.017	283.9	283.9	282.6	276.8
35	457.20	55.00	0.00	51.334	5.916	0.018	284.0	283.9	282.6	277.9
36	457.20	60.00	0.00	51.370	4.757	0.017	283.9	283.9	282.5	278.7
37	457.20	65.00	0.00	51.393	3.759	0.019	283.9	283.9	282.6	279.6
38	457.20	70.00	0.00	51.383	3.009	0.018	283.9	283.9	282.8	280.4
39	457.20	75.00	0.00	51.385	2.158	0.018	283.9	283.9	282.9	281.1
40	457.20	80.00	0.00	51.330	1.746	0.019	283.9	283.9	283.2	281.8
41	457.20	85.00	0.00	51.365	1.117	0.017	283.9	283.9	283.3	282.4
42	457.20	90.00	0.00	51.385	0.776	0.021	284.0	283.9	283.4	282.8
43	457.20	95.00	0.00	51.387	0.515	0.020	284.0	283.9	283.4	283.0
44	457.20	100.00	0.00	51.382	0.280	0.022	284.0	283.9	283.4	283.2
45	457.20	105.00	0.00	51.379	0.184	0.021	284.0	284.0	283.6	283.4
46	457.20	110.00	0.00	51.390	0.095	0.020	284.1	284.0	283.7	283.6

File : TAB327T 20-FEB-89
20-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 7
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.375 kPa

Mean gauged plenum pressure : 51.180 kPa
RMS gauged plenum pressure : 0.113 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	-110.00	0.00	51.118	0.100	0.033	276.7	278.5	276.8	276.7
3	355.60	-105.00	0.00	51.133	0.109	0.032	276.6	278.6	276.8	276.7
4	355.60	-100.00	0.00	51.080	0.187	0.044	276.5	278.7	276.7	276.5
5	355.60	-95.00	0.00	51.272	0.405	0.039	276.5	278.8	276.7	276.4
6	355.60	-90.00	0.00	51.062	0.709	0.038	276.4	278.8	276.7	276.1
7	355.60	-85.00	0.00	50.875	1.077	0.039	276.4	278.9	276.6	275.7
8	355.60	-80.00	0.00	51.021	1.842	0.037	276.4	278.9	276.6	275.1
9	355.60	-75.00	0.00	51.043	2.592	0.037	276.4	279.0	276.6	274.5
10	355.60	-70.00	0.00	51.064	3.583	0.044	276.4	279.1	276.5	273.7
11	355.60	-65.00	0.00	51.217	4.862	0.047	276.4	279.1	276.6	272.8
12	355.60	-60.00	0.00	51.394	6.391	0.041	276.4	279.2	276.6	271.7
13	355.60	-55.00	0.00	51.216	7.949	0.043	276.4	279.3	276.6	270.5
14	355.60	-50.00	0.00	51.372	9.729	0.039	276.4	279.3	276.6	269.2
15	355.60	-45.00	0.00	51.443	11.957	0.039	276.5	279.3	276.6	267.7

16	355.60	-40.00	0.00	51.326	14.166	0.042	276.4	279.4	276.6	266.1
17	355.60	-35.00	0.00	51.295	16.826	0.055	276.4	279.4	276.5	264.3
18	355.60	-30.00	0.00	51.223	19.367	0.046	276.5	279.4	276.5	262.6
19	355.60	-25.00	0.00	51.168	21.804	0.048	276.5	279.4	276.5	261.1
20	355.60	-20.00	0.00	51.068	22.827	0.044	276.5	279.4	276.6	260.6
21	355.60	-15.00	0.00	51.059	22.254	0.040	276.5	279.5	276.6	260.9
22	355.60	-10.00	0.00	51.129	20.375	0.041	276.4	279.5	276.6	262.1
23	355.60	-5.00	0.00	51.071	17.995	0.043	276.4	279.4	276.5	263.5
24	355.60	0.00	0.00	51.058	16.085	0.039	276.4	279.5	276.5	264.8
25	355.60	5.00	0.00	51.050	15.314	0.038	276.4	279.5	276.5	265.3
26	355.60	10.00	0.00	51.039	16.300	0.037	276.4	279.5	276.5	264.6
27	355.60	15.00	0.00	51.081	18.451	0.037	276.4	279.4	276.4	263.1
28	355.60	20.00	0.00	51.107	21.149	0.037	276.4	279.5	276.5	261.5
29	355.60	25.00	0.00	51.148	22.936	0.036	276.4	279.5	276.5	260.4
30	355.60	30.00	0.00	51.204	22.973	0.031	276.4	279.5	276.5	260.4
31	355.60	35.00	0.00	51.238	20.550	0.029	276.4	279.5	276.5	261.9
32	355.60	40.00	0.00	51.266	17.294	0.031	276.4	279.5	276.5	264.0
33	355.60	45.00	0.00	51.232	13.804	0.030	276.4	279.5	276.5	266.3
34	355.60	50.00	0.00	51.235	10.586	0.025	276.4	279.5	276.5	268.5
35	355.60	55.00	0.00	51.267	8.324	0.026	276.4	279.5	276.4	270.0
36	355.60	60.00	0.00	51.255	6.458	0.023	276.4	279.5	276.5	271.5
37	355.60	65.00	0.00	51.253	5.118	0.024	276.4	279.5	276.5	272.5
38	355.60	70.00	0.00	51.247	3.699	0.024	276.5	279.5	276.5	273.6
39	355.60	75.00	0.00	51.244	2.955	0.024	276.4	279.5	276.4	274.1
40	355.60	80.00	0.00	51.236	2.057	0.023	276.5	279.5	276.5	274.9
41	355.60	85.00	0.00	51.222	1.451	0.024	276.4	279.5	276.5	275.3
42	355.60	90.00	0.00	51.227	0.814	0.020	276.4	279.5	276.5	275.8
43	355.60	95.00	0.00	51.223	0.520	0.023	276.5	279.5	276.5	276.1
44	355.60	100.00	0.00	51.230	0.295	0.014	276.4	279.5	276.5	276.3
45	355.60	105.00	0.00	51.222	0.083	0.013	276.5	279.5	276.5	276.4
46	355.60	110.00	0.00	51.220	0.022	0.015	276.5	279.5	276.5	276.5

File : TAB326T 17-FEB-89
17-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 7
C2 : 4
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 99.628 kPa

Mean gauged plenum pressure : 51.856 kPa
RMS gauged plenum pressure : 0.046 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	4.00	-60.00	51.765	0.346	0.018	278.0	280.0	278.0	277.7
3	355.60	4.00	-58.00	51.812	0.497	0.016	278.0	279.9	278.1	277.7
4	355.60	4.00	-56.00	51.833	0.763	0.016	278.0	280.0	278.1	277.5
5	355.60	4.00	-54.00	51.850	0.958	0.014	278.0	279.9	278.1	277.3
6	355.60	4.00	-52.00	51.853	1.232	0.016	277.9	279.9	278.1	277.1
7	355.60	4.00	-50.00	51.872	1.555	0.017	277.9	279.9	278.1	276.9
8	355.60	4.00	-48.00	51.896	2.084	0.020	278.0	280.0	278.1	276.5
9	355.60	4.00	-46.00	51.918	2.552	0.016	277.9	280.0	278.1	276.1
10	355.60	4.00	-44.00	51.932	3.035	0.014	277.8	280.0	278.1	275.7
11	355.60	4.00	-42.00	51.904	3.715	0.015	277.8	280.0	278.1	275.2
12	355.60	4.00	-40.00	51.801	4.375	0.013	277.8	279.9	278.1	274.7
13	355.60	4.00	-38.00	51.796	5.023	0.015	277.8	279.9	278.1	274.2
14	355.60	4.00	-36.00	51.818	5.799	0.017	277.8	280.0	278.0	273.5
15	355.60	4.00	-34.00	51.817	6.769	0.013	277.8	280.0	278.0	272.8

16	355.60	4.00	-32.00	51.829	7.540	0.013	277.8	280.0	278.1	272.4
17	355.60	4.00	-30.00	51.828	8.587	0.014	277.9	280.0	278.1	271.6
18	355.60	4.00	-28.00	51.833	9.598	0.014	277.9	280.0	278.1	270.9
19	355.60	4.00	-26.00	51.830	10.584	0.014	277.8	280.0	278.1	270.2
20	355.60	4.00	-24.00	51.814	11.529	0.017	277.8	280.0	278.1	269.5
21	355.60	4.00	-22.00	51.826	12.429	0.014	277.9	280.0	278.0	268.8
22	355.60	4.00	-20.00	51.837	13.455	0.014	277.9	279.9	278.0	268.1
23	355.60	4.00	-18.00	51.831	14.342	0.014	277.9	279.9	278.0	267.5
24	355.60	4.00	-16.00	51.834	15.248	0.019	277.9	279.9	278.0	266.9
25	355.60	4.00	-14.00	51.836	15.831	0.017	277.8	279.9	278.0	266.5
26	355.60	4.00	-12.00	51.849	16.307	0.014	277.7	279.9	278.0	266.2
27	355.60	4.00	-10.00	51.844	16.703	0.015	277.7	279.9	278.0	265.9
28	355.60	4.00	-8.00	51.852	16.787	0.017	277.6	279.9	277.9	265.8
29	355.60	4.00	-6.00	51.869	16.818	0.016	277.7	279.9	277.9	265.8
30	355.60	4.00	-4.00	51.852	16.704	0.013	277.7	279.9	277.9	265.8
31	355.60	4.00	-2.00	51.872	16.110	0.014	277.7	279.8	277.9	266.2
32	355.60	4.00	0.00	51.875	15.690	0.014	277.6	279.8	277.9	266.5
33	355.60	4.00	2.00	51.907	15.252	0.013	277.6	279.8	277.8	266.7
34	355.60	4.00	4.00	51.921	14.391	0.014	277.6	279.8	277.9	267.4
35	355.60	4.00	6.00	51.917	13.401	0.013	277.7	279.8	277.9	268.0
36	355.60	4.00	8.00	51.917	12.428	0.015	277.6	279.8	277.9	268.7
37	355.60	4.00	10.00	51.956	11.689	0.015	277.6	279.8	277.9	269.2

File : TAB307T 7-FEB-89
7-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG III(B)

C1 : X/D = 7
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 51.321 kPa
RMS gauged plenum pressure : 0.206 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	-110.00	0.00	51.330	0.082	0.019	275.9	279.8	276.1	276.0
3	355.60	-105.00	0.00	51.330	0.128	0.016	275.9	279.8	276.1	276.0
4	355.60	-100.00	0.00	51.335	0.221	0.013	276.1	279.8	276.1	275.9
5	355.60	-95.00	0.00	51.322	0.344	0.013	276.2	279.8	276.2	275.9
6	355.60	-90.00	0.00	51.187	0.926	0.013	276.2	279.8	276.3	275.6
7	355.60	-85.00	0.00	51.191	1.379	0.018	276.1	279.7	276.2	275.1
8	355.60	-80.00	0.00	51.359	2.073	0.017	276.1	279.7	276.2	274.6
9	355.60	-75.00	0.00	51.239	2.799	0.014	276.1	279.7	276.2	274.0
10	355.60	-70.00	0.00	51.425	3.935	0.013	276.1	279.7	276.2	273.1
11	355.60	-65.00	0.00	51.522	4.646	0.015	276.2	279.7	276.2	272.6
12	355.60	-60.00	0.00	51.568	6.118	0.014	276.1	279.8	276.2	271.5
13	355.60	-55.00	0.00	51.351	7.592	0.015	276.1	279.8	276.2	270.4
14	355.60	-50.00	0.00	51.262	9.809	0.017	276.1	279.8	276.2	268.8
15	355.60	-45.00	0.00	51.277	11.981	0.017	276.2	279.7	276.3	267.4

16	355.60	-40.00	0.00	51.176	14.521	0.018	276.1	279.7	276.2	265.5
17	355.60	-35.00	0.00	51.168	17.220	0.013	276.1	279.7	276.3	263.9
18	355.60	-30.00	0.00	51.436	19.871	0.013	276.1	279.6	276.2	262.1
19	355.60	-25.00	0.00	51.336	20.693	0.013	276.1	279.6	276.3	261.6
20	355.60	-20.00	0.00	51.192	19.922	0.013	276.1	279.6	276.2	262.0
21	355.60	-15.00	0.00	51.407	18.273	0.013	276.1	279.6	276.3	263.2
22	355.60	-10.00	0.00	51.520	16.544	0.015	276.1	279.7	276.3	264.3
23	355.60	-5.00	0.00	51.322	15.367	0.013	276.1	279.7	276.3	265.1
24	355.60	0.00	0.00	51.359	15.407	0.013	276.1	279.7	276.3	265.0
25	355.60	5.00	0.00	51.208	16.824	0.014	276.1	279.7	276.2	264.0
26	355.60	10.00	0.00	51.296	19.495	0.013	276.2	279.7	276.3	262.4
27	355.60	15.00	0.00	51.147	22.042	0.017	276.1	279.7	276.2	260.7
28	355.60	20.00	0.00	51.258	23.005	0.013	276.1	279.6	276.2	260.1
29	355.60	25.00	0.00	51.184	21.272	0.016	276.1	279.6	276.2	261.2
30	355.60	30.00	0.00	51.218	18.514	0.014	276.1	279.6	276.2	262.9
31	355.60	35.00	0.00	51.275	14.281	0.013	276.2	279.6	276.2	265.7
32	355.60	40.00	0.00	51.410	10.625	0.016	276.1	279.6	276.2	268.2
33	355.60	45.00	0.00	51.500	7.886	0.014	276.1	279.8	276.2	270.2
34	355.60	50.00	0.00	51.317	5.534	0.013	276.1	279.8	276.2	271.9
35	355.60	55.00	0.00	51.284	3.870	0.013	276.1	279.8	276.2	273.2
36	355.60	60.00	0.00	51.419	2.546	0.014	276.1	279.8	276.2	274.2
37	355.60	65.00	0.00	51.392	1.778	0.017	276.0	279.8	276.2	274.8
38	355.60	70.00	0.00	51.238	0.892	0.013	276.0	279.7	276.1	275.4
39	355.60	75.00	0.00	51.231	1.118	0.013	276.1	279.6	276.1	275.2
40	355.60	80.00	0.00	51.053	0.675	0.019	275.9	279.6	276.1	275.6
41	355.60	85.00	0.00	51.199	0.515	0.015	275.9	279.6	276.1	275.7
42	355.60	90.00	0.00	51.442	0.232	0.017	275.9	279.6	276.1	275.9
43	355.60	95.00	0.00	51.312	0.101	0.016	276.0	279.7	276.1	276.0
44	355.60	100.00	0.00	51.370	0.028	0.013	276.0	279.8	276.1	276.1
45	355.60	105.00	0.00	51.305	0.012	0.013	276.0	279.8	276.1	276.1
46	355.60	110.00	0.00	51.136	0.012	0.015	276.0	279.8	276.1	276.1

File : TAB322T

15-FEB-89
23-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 5
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 99.018 kPa

Mean gauged plenum pressure : 51.755 kPa
RMS gauged plenum pressure : 0.132 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	51.730	0.015	0.012	298.3	283.1	297.3	297.3
3	254.00	-96.00	0.00	51.777	0.019	0.012	298.4	283.1	297.5	297.5
4	254.00	-92.00	0.00	51.747	0.115	0.012	298.1	283.0	297.5	297.4
5	254.00	-88.00	0.00	51.766	0.380	0.015	297.8	282.9	297.4	297.1
6	254.00	-84.00	0.00	51.709	0.624	0.013	297.6	282.8	297.4	296.9
7	254.00	-80.00	0.00	51.667	1.325	0.013	297.6	282.8	297.3	296.2
8	254.00	-76.00	0.00	51.612	1.922	0.012	297.6	282.8	297.2	295.6
9	254.00	-72.00	0.00	51.596	2.993	0.012	297.9	282.8	297.3	294.8
10	254.00	-68.00	0.00	51.725	3.854	0.012	298.0	282.8	297.4	294.2
11	254.00	-64.00	0.00	51.664	5.172	0.012	298.2	282.8	297.5	293.2
12	254.00	-60.00	0.00	51.612	6.821	0.013	298.0	282.8	297.5	291.9
13	254.00	-56.00	0.00	51.563	8.772	0.014	297.9	282.8	297.4	290.3
14	254.00	-52.00	0.00	51.635	10.715	0.012	298.2	282.8	297.5	288.9
15	254.00	-48.00	0.00	51.614	13.551	0.012	298.3	282.9	297.6	286.9

16	254.00	-44.00	0.00	51.585	16.751	0.012	298.4	282.8	297.7	284.7
17	254.00	-40.00	0.00	51.710	20.642	0.012	298.3	282.9	297.7	282.0
18	254.00	-36.00	0.00	51.641	24.433	0.012	298.0	282.8	297.6	279.4
19	254.00	-32.00	0.00	51.656	28.170	0.015	297.9	282.7	297.5	276.9
20	254.00	-28.00	0.00	51.659	31.931	0.012	298.1	282.7	297.5	274.6
21	254.00	-24.00	0.00	51.729	35.148	0.012	298.3	282.7	297.5	272.7
22	254.00	-20.00	0.00	51.741	36.290	0.012	298.6	282.7	297.6	272.1
23	254.00	-16.00	0.00	51.817	35.543	0.012	298.0	282.7	297.6	272.6
24	254.00	-12.00	0.00	51.909	31.336	0.012	298.2	282.7	297.5	275.0
25	254.00	-8.00	0.00	52.026	26.603	0.012	298.2	282.7	297.6	278.0
26	254.00	-4.00	0.00	51.997	21.253	0.012	298.2	282.7	297.5	281.4
27	254.00	0.00	0.00	52.059	18.670	0.012	298.5	282.7	297.5	283.2
28	254.00	4.00	0.00	51.993	17.423	0.012	298.4	282.6	297.5	284.0
29	254.00	8.00	0.00	51.847	19.142	0.013	298.1	282.7	297.4	282.7
30	254.00	12.00	0.00	51.882	22.976	0.013	298.3	282.7	297.3	280.1
31	254.00	16.00	0.00	51.873	28.176	0.014	298.1	282.6	297.3	276.7
32	254.00	20.00	0.00	51.902	33.738	0.013	297.9	282.6	297.3	273.4
33	254.00	24.00	0.00	51.873	37.154	0.013	297.7	282.6	297.3	271.4
34	254.00	28.00	0.00	51.793	36.548	0.012	297.8	282.7	297.2	271.6
35	254.00	32.00	0.00	51.717	33.132	0.012	297.7	282.6	297.3	273.7
36	254.00	36.00	0.00	51.695	26.949	0.013	297.5	282.5	297.2	277.4
37	254.00	40.00	0.00	51.655	21.065	0.013	297.6	282.5	297.2	281.2
38	254.00	44.00	0.00	51.660	16.478	0.013	297.6	282.5	297.2	284.4
39	254.00	48.00	0.00	51.651	12.293	0.014	297.5	282.4	297.1	287.3
40	254.00	52.00	0.00	51.642	10.169	0.013	297.5	282.4	297.1	288.9
41	254.00	56.00	0.00	51.644	7.979	0.020	297.4	282.4	297.1	290.6
42	254.00	60.00	0.00	51.670	6.443	0.016	297.4	282.4	297.0	291.7
43	254.00	64.00	0.00	51.680	5.306	0.020	297.3	282.5	297.0	292.6
44	254.00	68.00	0.00	51.666	3.893	0.016	297.4	282.4	297.0	293.7
45	254.00	72.00	0.00	51.672	3.487	0.021	297.4	282.3	297.0	294.1
46	254.00	76.00	0.00	51.710	2.368	0.022	297.3	282.3	297.0	295.0
47	254.00	80.00	0.00	51.727	1.792	0.021	297.3	282.3	296.9	295.4
48	254.00	84.00	0.00	51.764	0.988	0.020	297.6	282.4	297.0	296.2
49	254.00	88.00	0.00	51.794	0.533	0.015	298.2	282.4	297.0	296.5
50	254.00	92.00	0.00	51.848	0.263	0.026	298.3	282.4	297.1	296.9
51	254.00	96.00	0.00	51.917	0.062	0.025	298.5	282.4	297.1	297.0
52	254.00	100.00	0.00	51.999	0.029	0.019	298.4	282.4	297.2	297.2

File : TAB323T 15-FEB-89
15-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 5
C2 : ZERO
C3 : VERTICAL'
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.984 kPa

Mean gauged plenum pressure : 51.760 kPa
RMS gauged plenum pressure : 0.131 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	0.00	-40.00	51.855	1.558	0.014	298.3	282.7	297.9	296.6
3	254.00	0.00	-39.00	51.823	1.812	0.013	298.3	282.7	298.0	296.5
4	254.00	0.00	-38.00	51.816	2.168	0.013	298.5	282.7	298.0	296.2
5	254.00	0.00	-37.00	51.776	2.494	0.013	298.5	282.8	298.0	295.9
6	254.00	0.00	-36.00	51.722	2.963	0.014	298.5	282.7	298.0	295.5
7	254.00	0.00	-35.00	51.675	3.463	0.012	298.6	282.7	298.0	295.1
8	254.00	0.00	-34.00	51.671	4.069	0.013	298.8	282.6	298.1	294.7
9	254.00	0.00	-33.00	51.660	4.552	0.013	298.7	282.6	298.1	294.3
10	254.00	0.00	-32.00	51.669	5.240	0.014	298.4	282.7	298.1	293.7
11	254.00	0.00	-31.00	51.667	5.783	0.012	298.6	282.7	298.1	293.3
12	254.00	0.00	-30.00	51.687	6.599	0.013	298.6	282.7	298.1	292.6
13	254.00	0.00	-29.00	51.682	7.241	0.013	298.7	282.7	298.1	292.1
14	254.00	0.00	-28.00	51.719	8.138	0.015	298.5	282.7	298.1	291.4
15	254.00	0.00	-27.00	51.734	8.811	0.014	298.5	282.8	298.0	290.8

16	254.00	0.00	-26.00	51.766	9.717	0.012	298.7	282.8	298.0	290.1
17	254.00	0.00	-25.00	51.828	10.610	0.012	299.1	282.8	298.0	289.4
18	254.00	0.00	-24.00	51.869	11.638	0.012	298.9	282.8	298.0	288.7
19	254.00	0.00	-23.00	51.875	12.398	0.013	299.0	282.8	298.1	288.2
20	254.00	0.00	-22.00	51.854	13.350	0.014	299.4	282.8	298.1	287.5
21	254.00	0.00	-21.00	51.863	14.211	0.013	299.5	282.7	298.1	286.9
22	254.00	0.00	-20.00	51.862	15.440	0.012	299.6	282.7	298.1	286.0
23	254.00	0.00	-19.00	51.819	16.096	0.013	299.5	282.7	298.2	285.6
24	254.00	0.00	-18.00	51.818	17.099	0.013	299.2	282.7	298.2	284.9
25	254.00	0.00	-17.00	51.736	17.893	0.012	299.2	282.7	298.1	284.3
26	254.00	0.00	-16.00	51.658	18.627	0.015	298.8	282.7	298.1	283.8
27	254.00	0.00	-15.00	51.603	19.324	0.013	298.6	282.8	298.1	283.3
28	254.00	0.00	-14.00	51.387	19.917	0.013	298.7	282.8	298.1	282.9
29	254.00	0.00	-13.00	51.802	20.578	0.013	298.7	282.8	298.2	282.5
30	254.00	0.00	-12.00	51.916	21.035	0.013	298.7	282.7	298.1	282.1
31	254.00	0.00	-11.00	51.903	21.265	0.014	298.7	282.7	298.1	282.0
32	254.00	0.00	-10.00	51.914	21.413	0.013	298.9	282.7	298.2	281.9
33	254.00	0.00	-9.00	51.922	21.458	0.013	298.9	282.7	298.3	282.0
34	254.00	0.00	-8.00	51.914	21.330	0.017	298.8	282.7	298.3	282.1
35	254.00	0.00	-7.00	51.842	21.126	0.014	298.9	282.7	298.3	282.2
36	254.00	0.00	-6.00	51.809	20.843	0.012	299.0	282.6	298.3	282.4
37	254.00	0.00	-5.00	51.783	20.449	0.013	298.9	282.6	298.4	282.8
38	254.00	0.00	-4.00	51.691	19.891	0.014	298.7	282.7	298.4	283.2
39	254.00	0.00	-3.00	51.647	19.577	0.013	298.8	282.7	298.4	283.4
40	254.00	0.00	-2.00	51.553	19.078	0.013	298.9	282.7	298.4	283.7
41	254.00	0.00	-1.00	51.498	18.501	0.015	298.6	282.7	298.3	284.0
42	254.00	0.00	0.00	51.435	18.081	0.015	298.7	282.8	298.3	284.3
43	254.00	0.00	1.00	51.786	17.413	0.013	298.9	282.8	298.3	284.8
44	254.00	0.00	2.00	51.840	16.744	0.014	299.3	282.8	298.3	285.3
45	254.00	0.00	3.00	51.879	16.377	0.014	299.4	282.8	298.5	285.7
46	254.00	0.00	4.00	51.937	15.723	0.015	299.3	282.8	298.4	286.1
47	254.00	0.00	5.00	51.966	15.073	0.016	299.6	282.8	298.4	286.5
48	254.00	0.00	6.00	51.894	14.401	0.013	299.8	282.8	298.5	287.1
49	254.00	0.00	7.00	51.871	13.589	0.017	299.9	282.9	298.5	287.7
50	254.00	0.00	8.00	51.830	13.023	0.018	299.5	282.9	298.4	288.0
51	254.00	0.00	9.00	51.741	12.360	0.016	299.5	282.9	298.4	288.5
52	254.00	0.00	10.00	51.683	11.792	0.014	299.4	282.9	298.4	288.9

File : TAB309T 7-FEB-89
7-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG III(B)

C1 : X/D = 5
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.510 kPa

Mean gauged plenum pressure : 51.210 kPa
RMS gauged plenum pressure : 0.179 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	-0.60	51.042	0.014	0.013	278.9	280.4	278.0	278.0
3	254.00	-95.00	-0.60	51.154	0.020	0.012	278.9	280.4	278.2	278.2
4	254.00	-90.00	-0.60	51.233	0.172	0.013	278.8	280.4	278.2	278.1
5	254.00	-85.00	-0.60	51.097	0.568	0.012	279.0	280.3	278.3	277.8
6	254.00	-80.00	-0.60	51.139	1.211	0.012	278.7	280.3	278.2	277.2
7	254.00	-75.00	-0.60	51.209	1.580	0.013	278.5	280.2	278.1	276.8
8	254.00	-70.00	-0.60	51.328	2.617	0.013	278.5	280.2	278.1	276.0
9	254.00	-65.00	-0.60	51.445	4.113	0.015	278.3	280.3	277.9	274.7
10	254.00	-60.00	-0.60	51.590	5.802	0.013	278.5	280.4	278.0	273.5
11	254.00	-55.00	-0.60	51.444	7.979	0.012	278.6	280.5	278.0	271.9
12	254.00	-50.00	-0.60	51.300	10.543	0.013	279.1	280.4	278.2	270.2
13	254.00	-45.00	-0.60	51.128	14.264	0.013	279.0	280.5	278.3	267.7
14	254.00	-40.00	-0.60	51.177	19.525	0.013	279.0	280.4	278.4	264.4
15	254.00	-35.00	-0.60	51.074	24.922	0.012	279.0	280.4	278.4	261.0

16	254.00	-30.00	-0.60	51.113	30.002	0.013	279.1	280.4	278.5	258.1
17	254.00	-25.00	-0.60	51.199	32.648	0.013	279.2	280.3	278.5	256.6
18	254.00	-20.00	-0.60	51.134	31.314	0.013	279.2	280.3	278.6	257.4
19	254.00	-15.00	-0.60	51.062	25.701	0.014	279.1	280.4	278.6	260.7
20	254.00	-10.00	-0.60	51.368	20.885	0.013	279.2	280.4	278.6	263.7
21	254.00	-5.00	-0.60	51.266	17.869	0.013	279.2	280.5	278.6	265.6
22	254.00	0.00	-0.60	51.460	18.772	0.013	279.3	280.5	278.6	265.0
23	254.00	5.00	-0.60	50.970	22.697	0.013	279.2	280.5	278.6	262.5
24	254.00	10.00	-0.60	51.161	28.882	0.012	279.4	280.5	278.6	258.8
25	254.00	15.00	-0.60	51.091	34.140	0.012	279.6	280.5	278.7	255.9
26	254.00	20.00	-0.60	51.019	34.348	0.014	279.7	280.4	278.8	255.9
27	254.00	25.00	-0.60	51.103	29.070	0.013	279.6	280.4	278.8	258.9
28	254.00	30.00	-0.60	51.212	21.035	0.013	279.6	280.4	278.7	263.7
29	254.00	35.00	-0.60	51.108	14.151	0.013	279.6	280.4	278.8	268.3
30	254.00	40.00	-0.60	51.303	8.489	0.012	279.5	280.4	278.7	272.2
31	254.00	45.00	-0.60	51.213	5.381	0.013	279.4	280.5	278.7	274.5
32	254.00	50.00	-0.60	51.251	3.236	0.014	279.2	280.5	278.6	276.0
33	254.00	55.00	-0.60	51.307	2.558	0.017	279.1	280.5	278.5	276.5
34	254.00	60.00	-0.60	51.219	1.784	0.012	279.3	280.5	278.6	277.2
35	254.00	65.00	-0.60	51.029	1.468	0.012	279.5	280.4	278.6	277.4
36	254.00	70.00	-0.60	51.084	0.949	0.013	279.6	280.4	278.7	277.9
37	254.00	75.00	-0.60	51.004	0.475	0.013	279.5	280.3	278.7	278.3
38	254.00	80.00	-0.60	51.126	0.138	0.014	279.7	280.3	278.8	278.7
39	254.00	85.00	-0.60	51.110	0.075	0.013	279.7	280.3	278.8	278.7
40	254.00	90.00	-0.60	51.762	0.024	0.015	279.5	280.4	278.8	278.8
41	254.00	95.00	-0.60	51.231	0.013	0.016	279.5	280.5	278.8	278.8
42	254.00	100.00	-0.60	51.319	0.012	0.013	279.7	280.5	278.8	278.8

File : TAB319T 14-FEB-89
14-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 2
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.815 kPa

Mean gauged plenum pressure : 51.621 kPa
RMS gauged plenum pressure : 0.133 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	101.60	-75.00	0.00	51.453	0.009	0.013	296.5	282.5	296.2	296.2
3	101.60	-72.00	0.00	51.386	0.093	0.015	296.5	282.4	296.2	296.1
4	101.60	-69.00	0.00	51.638	1.470	0.013	296.4	282.3	296.2	295.0
5	101.60	-66.00	0.00	51.514	4.104	0.018	296.3	282.3	296.1	292.7
6	101.60	-63.00	0.00	51.493	8.179	0.014	296.2	282.3	296.0	289.3
7	101.60	-60.00	0.00	51.412	12.006	0.013	295.9	282.2	295.9	286.4
8	101.60	-57.00	0.00	51.580	15.034	0.014	295.9	282.2	295.8	284.1
9	101.60	-54.00	0.00	51.494	17.276	0.015	295.5	282.2	295.7	282.4
10	101.60	-51.00	0.00	51.568	21.027	0.013	295.7	282.2	295.7	279.8
11	101.60	-48.00	0.00	51.713	26.689	0.013	295.8	282.2	295.7	276.1
12	101.60	-45.00	0.00	51.641	36.118	0.012	296.4	282.2	295.7	270.5
13	101.60	-42.00	0.00	51.672	44.746	0.013	296.4	282.1	295.6	265.6
14	101.60	-39.00	0.00	51.826	49.900	0.013	296.2	282.1	295.6	262.9
15	101.60	-36.00	0.00	51.739	51.112	0.017	296.0	282.1	295.6	262.3

16	101.60	-33.00	0.00	51.696	51.334	0.014	296.2	282.1	295.6	262.2
17	101.60	-30.00	0.00	51.731	51.539	0.013	296.4	282.1	295.6	262.1
18	101.60	-27.00	0.00	51.744	51.544	0.016	296.3	282.1	295.6	262.1
19	101.60	-24.00	0.00	51.632	51.431	0.016	296.4	282.0	295.5	262.1
20	101.60	-21.00	0.00	51.548	51.412	0.014	296.4	282.0	295.5	262.1
21	101.60	-18.00	0.00	51.419	51.358	0.015	296.1	282.1	295.5	262.1
22	101.60	-15.00	0.00	51.674	51.663	0.018	295.9	282.1	295.5	262.0
23	101.60	-12.00	0.00	51.560	51.336	0.016	296.0	282.1	295.5	262.1
24	101.60	-9.00	0.00	51.482	48.551	0.019	295.9	282.1	295.5	263.5
25	101.60	-6.00	0.00	51.555	40.682	0.017	295.9	282.1	295.5	267.7
26	101.60	-3.00	0.00	51.555	30.270	0.017	296.0	282.0	295.5	273.7
27	101.60	0.00	0.00	51.618	24.966	0.022	295.8	282.1	295.5	277.0
28	101.60	3.00	0.00	51.612	25.569	0.022	295.7	282.1	295.5	276.7
29	101.60	6.00	0.00	51.745	32.289	0.019	295.8	282.1	295.5	272.5
30	101.60	9.00	0.00	51.862	41.958	0.019	296.1	282.3	295.6	267.1
31	101.60	12.00	0.00	52.073	50.128	0.018	296.2	282.3	295.7	262.9
32	101.60	15.00	0.00	51.564	51.419	0.021	296.0	282.4	295.7	262.3
33	101.60	18.00	0.00	51.670	51.663	0.017	296.2	282.4	295.7	262.1
34	101.60	21.00	0.00	51.640	51.616	0.018	296.3	282.3	295.7	262.2
35	101.60	24.00	0.00	51.609	51.543	0.020	296.1	282.3	295.7	262.2
36	101.60	27.00	0.00	51.497	51.397	0.023	296.0	282.3	295.7	262.3
37	101.60	30.00	0.00	51.585	51.451	0.016	295.9	282.2	295.6	262.2
38	101.60	33.00	0.00	51.496	50.973	0.015	296.0	282.2	295.7	262.5
39	101.60	36.00	0.00	51.614	49.630	0.015	296.2	282.2	295.7	263.2
40	101.60	39.00	0.00	51.562	47.593	0.014	296.9	282.3	295.8	264.3
41	101.60	42.00	0.00	51.505	43.093	0.021	296.4	282.3	295.8	266.7
42	101.60	45.00	0.00	51.627	36.514	0.015	296.6	282.3	295.8	270.3
43	101.60	48.00	0.00	51.600	27.489	0.019	296.0	282.2	295.7	275.6
44	101.60	51.00	0.00	51.594	20.078	0.016	295.8	282.2	295.6	280.4
45	101.60	54.00	0.00	51.628	15.053	0.015	296.1	282.2	295.5	283.8
46	101.60	57.00	0.00	51.834	12.038	0.015	296.1	282.2	295.4	285.8
47	101.60	60.00	0.00	51.733	9.751	0.013	296.0	282.1	295.3	287.5
48	101.60	63.00	0.00	51.723	7.117	0.013	296.2	282.1	295.3	289.5
49	101.60	66.00	0.00	51.826	4.456	0.017	295.9	282.1	295.3	291.6
50	101.60	69.00	0.00	51.707	2.056	0.020	295.6	282.1	295.2	293.5
51	101.60	72.00	0.00	51.588	0.447	0.015	295.6	282.0	295.2	294.8
52	101.60	75.00	0.00	51.533	0.015	0.013	295.8	282.0	295.2	295.2

File : TAB318T 14-FEB-89
14-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTAB
CONFIG III(B)

C1 : X/D = 2
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.883 kPa

Mean gauged plenum pressure : 51.596 kPa
RMS gauged plenum pressure : 0.147 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	101.60	0.00	-20.00	51.512	3.433	0.012	296.5	283.7	295.3	292.4
3	101.60	0.00	-19.50	51.352	3.727	0.012	296.5	283.5	295.3	292.2
4	101.60	0.00	-19.00	51.476	4.413	0.011	296.8	283.3	295.4	291.7
5	101.60	0.00	-18.50	51.284	5.297	0.011	296.9	283.1	295.4	291.0
6	101.60	0.00	-18.00	51.478	6.331	0.012	296.5	283.0	295.5	290.3
7	101.60	0.00	-17.50	51.682	7.330	0.012	296.4	282.9	295.5	289.5
8	101.60	0.00	-17.00	51.675	8.485	0.012	296.2	282.9	295.5	288.6
9	101.60	0.00	-16.50	51.725	9.698	0.012	296.3	282.9	295.5	287.7
10	101.60	0.00	-16.00	51.724	11.329	0.012	296.4	282.9	295.6	286.6
11	101.60	0.00	-15.50	51.817	12.938	0.012	296.3	282.9	295.7	285.5
12	101.60	0.00	-15.00	51.446	14.557	0.012	296.2	282.8	295.6	284.2
13	101.60	0.00	-14.50	51.556	16.466	0.012	296.2	282.8	295.6	282.9
14	101.60	0.00	-14.00	51.438	18.607	0.012	296.2	282.7	295.7	281.5
15	101.60	0.00	-13.50	51.562	20.709	0.012	296.2	282.7	295.7	280.0

16	101.60	0.00	-13.00	51.691	23.148	0.012	296.2	282.6	295.6	278.3
17	101.60	0.00	-12.50	51.432	25.323	0.012	296.4	282.6	295.6	276.9
18	101.60	0.00	-12.00	51.428	28.097	0.012	296.3	282.6	295.6	275.2
19	101.60	0.00	-11.50	51.470	30.535	0.013	296.2	282.7	295.7	273.8
20	101.60	0.00	-11.00	51.608	33.166	0.013	296.0	282.6	295.6	272.1
21	101.60	0.00	-10.50	51.741	35.570	0.012	296.1	282.7	295.6	270.7
22	101.60	0.00	-10.00	51.733	37.945	0.012	296.3	282.7	295.7	269.4
23	101.60	0.00	-9.50	51.675	39.860	0.013	296.3	282.7	295.7	268.4
24	101.60	0.00	-9.00	51.843	42.013	0.012	296.3	282.7	295.8	267.3
25	101.60	0.00	-8.50	51.764	43.584	0.013	296.2	282.7	295.8	266.4
26	101.60	0.00	-8.00	51.559	44.853	0.015	296.2	282.8	295.8	265.8
27	101.60	0.00	-7.50	51.694	45.829	0.012	296.8	282.7	295.8	265.2
28	101.60	0.00	-7.00	51.464	46.059	0.016	296.9	282.6	295.8	265.1
29	101.60	0.00	-6.50	51.384	46.162	0.015	296.8	282.6	295.9	265.2
30	101.60	0.00	-6.00	51.428	45.751	0.016	296.2	282.5	295.8	265.3
31	101.60	0.00	-5.50	51.582	45.183	0.014	296.1	282.5	295.7	265.5
32	101.60	0.00	-5.00	51.539	44.292	0.018	296.3	282.6	295.7	266.0
33	101.60	0.00	-4.50	51.497	42.803	0.012	296.7	282.5	295.7	266.8
34	101.60	0.00	-4.00	51.611	41.353	0.013	297.1	282.5	295.8	267.6
35	101.60	0.00	-3.50	51.609	39.702	0.016	297.1	282.5	295.8	268.6
36	101.60	0.00	-3.00	51.720	37.944	0.014	297.5	282.6	296.0	269.7
37	101.60	0.00	-2.50	51.755	35.849	0.017	297.4	282.6	296.0	270.9
38	101.60	0.00	-2.00	51.667	33.880	0.018	297.2	282.6	296.0	272.1
39	101.60	0.00	-1.50	51.783	31.760	0.015	297.2	282.6	296.1	273.4
40	101.60	0.00	-1.00	51.651	29.460	0.023	296.8	282.6	296.2	274.9
41	101.60	0.00	-0.50	51.654	27.278	0.022	296.7	282.6	296.2	276.2
42	101.60	0.00	0.00	51.534	25.326	0.023	296.3	282.5	296.1	277.4
43	101.60	0.00	0.50	51.526	23.567	0.019	296.3	282.5	296.0	278.4
44	101.60	0.00	1.00	51.557	21.798	0.018	296.2	282.5	295.9	279.5
45	101.60	0.00	1.50	51.552	20.196	0.015	296.2	282.5	295.9	280.6
46	101.60	0.00	2.00	51.475	18.483	0.018	296.4	282.5	295.9	281.7
47	101.60	0.00	2.50	51.685	17.043	0.015	296.5	282.5	295.9	282.7
48	101.60	0.00	3.00	51.577	15.680	0.015	296.8	282.5	296.0	283.8
49	101.60	0.00	3.50	51.483	14.249	0.020	296.8	282.5	296.1	284.9
50	101.60	0.00	4.00	51.577	13.168	0.020	297.0	282.5	296.1	285.7
51	101.60	0.00	4.50	51.803	12.135	0.017	297.0	282.5	296.1	286.5
52	101.60	0.00	5.00	51.840	11.051	0.020	297.1	282.5	296.2	287.4

File : TAB311T 8-FEB-89
8-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTDMN, -14 DEG
CONFIG III(B)

C1 : X/D = 2
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 99.221 kPa

Mean gauged plenum pressure : 51.605 kPa
RMS gauged plenum pressure : 0.203 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	101.60	-75.00	0.00	51.539	0.008	0.013	277.0	279.3	276.3	276.3
3	101.60	-72.00	0.00	51.378	0.008	0.012	277.0	279.4	276.3	276.3
4	101.60	-69.00	0.00	51.705	0.040	0.012	277.0	279.4	276.3	276.3
5	101.60	-66.00	0.00	51.617	0.087	0.012	277.1	279.3	276.3	276.2
6	101.60	-63.00	0.00	51.516	0.074	0.012	277.3	279.3	276.4	276.3
7	101.60	-60.00	0.00	51.664	0.360	0.012	277.4	279.4	276.4	276.1
8	101.60	-57.00	0.00	51.512	1.105	0.013	277.4	279.4	276.5	275.6
9	101.60	-54.00	0.00	52.073	3.454	0.012	277.3	279.4	276.5	273.8
10	101.60	-51.00	0.00	51.563	8.028	0.012	277.5	279.5	276.5	270.4
11	101.60	-48.00	0.00	51.549	12.884	0.012	277.5	279.5	276.6	267.1
12	101.60	-45.00	0.00	51.672	19.774	0.013	277.4	279.5	276.6	262.6
13	101.60	-42.00	0.00	51.504	25.911	0.012	277.4	279.4	276.6	258.8
14	101.60	-39.00	0.00	51.529	32.840	0.012	277.3	279.5	276.6	254.9
15	101.60	-36.00	0.00	51.485	38.869	0.012	277.3	279.4	276.5	251.5

16	101.60	-33.00	0.00	51.661	43.049	0.012	277.3	279.4	276.5	249.4
17	101.60	-30.00	0.00	51.330	45.940	0.012	277.2	279.4	276.5	247.9
18	101.60	-27.00	0.00	51.603	47.851	0.012	277.2	279.4	276.5	247.0
19	101.60	-24.00	0.00	51.455	49.498	0.012	277.1	279.4	276.5	246.2
20	101.60	-21.00	0.00	51.698	50.270	0.012	277.4	279.4	276.5	245.9
21	101.60	-18.00	0.00	51.514	47.704	0.012	277.3	279.4	276.5	247.1
22	101.60	-15.00	0.00	51.741	39.530	0.012	277.4	279.5	276.6	251.3
23	101.60	-12.00	0.00	51.517	29.672	0.013	277.3	279.5	276.6	256.6
24	101.60	-9.00	0.00	51.612	22.224	0.013	277.3	279.4	276.5	261.0
25	101.60	-6.00	0.00	51.495	20.483	0.013	277.2	279.4	276.6	262.1
26	101.60	-3.00	0.00	51.450	24.839	0.012	277.2	279.4	276.6	259.5
27	101.60	0.00	0.00	51.671	35.248	0.014	277.1	279.4	276.5	253.4
28	101.60	3.00	0.00	51.382	45.733	0.013	277.1	279.4	276.5	248.0
29	101.60	6.00	0.00	51.562	51.022	0.014	277.2	279.3	276.5	245.5
30	101.60	9.00	0.00	51.782	51.841	0.012	277.4	279.4	276.5	245.1
31	101.60	12.00	0.00	51.893	51.711	0.013	277.5	279.4	276.6	245.3
32	101.60	15.00	0.00	51.717	50.981	0.014	277.6	279.5	276.7	245.7
33	101.60	18.00	0.00	51.650	50.367	0.014	277.7	279.5	276.7	246.0
34	101.60	21.00	0.00	51.916	49.912	0.014	277.6	279.5	276.7	246.2
35	101.60	24.00	0.00	51.913	48.250	0.015	277.4	279.4	276.7	247.0
36	101.60	27.00	0.00	51.620	39.905	0.016	277.2	279.4	276.7	251.2
37	101.60	30.00	0.00	51.512	26.664	0.013	277.2	279.4	276.6	258.4
38	101.60	33.00	0.00	51.661	15.717	0.014	277.2	279.4	276.6	265.2
39	101.60	36.00	0.00	51.516	7.853	0.014	277.2	279.3	276.6	270.6
40	101.60	39.00	0.00	51.458	3.457	0.014	277.4	279.3	276.6	273.9
41	101.60	42.00	0.00	51.628	1.378	0.016	277.3	279.4	276.5	275.4
42	101.60	45.00	0.00	51.753	0.552	0.013	277.4	279.3	276.5	276.1
43	101.60	48.00	0.00	51.650	0.513	0.014	277.2	279.3	276.5	276.1
44	101.60	51.00	0.00	51.877	0.239	0.013	277.5	279.4	276.6	276.4
45	101.60	54.00	0.00	51.566	0.155	0.018	277.6	279.5	276.6	276.5
46	101.60	57.00	0.00	51.868	0.006	0.017	277.6	279.4	276.7	276.7
47	101.60	60.00	0.00	51.618	0.008	0.017	277.4	279.4	276.6	276.6
48	101.60	63.00	0.00	51.558	0.008	0.019	277.6	279.4	276.7	276.7
49	101.60	66.00	0.00	51.387	0.010	0.015	277.7	279.4	276.8	276.8
50	101.60	69.00	0.00	51.538	0.011	0.017	277.7	279.4	276.8	276.8
51	101.60	72.00	0.00	51.472	0.010	0.019	277.6	279.4	276.7	276.7
52	101.60	75.00	0.00	51.318	0.012	0.019	277.4	279.4	276.7	276.7

CONFIGURATION	X/D_E	T_j/T_o	M_j	HORIZONTAL	VERTICAL	DIAGONAL -14°
0 - 0 (BASELINE)	5	2.3	0.8	TAB337T	TAB338T	TAB343T
	7	2.3	0.8	TAB350T	TAB349T	- - - -
	9	2.3	0.8	TAB332T	TAB331T	TAB346T
	13	2.3	0.8	TAB356T	TAB355T	- - - -
I - B	5	2.3	0.8	TAB340T	TAB339T	TAB344T
	7	2.3	0.8	TAB351T	TAB352T	- - - -
	9	2.3	0.8	TAB333T	TAB334T	TAB347T
	13	2.3	0.8	TAB354T	TAB353T	- - - -
III - B	5	2.3	0.8	TAB341T	TAB342T	TAB345T
	9	2.3	0.8	TAB336T	TAB335T	TAB348T
I - C	9	2.3	0.8	TAB359T	TAB360T	- - - -
	13	2.3	0.8	TAB357T	TAB358T	- - - -

Figure 12 Mixing Modification for Heated Subsonic Jets

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File : TAB337T 24-FEB-89
24-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 635 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 5
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.781 kPa

Mean gauged plenum pressure : 51.348 kPa
RMS gauged plenum pressure : 0.388 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa.	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	51.577	0.149	0.085	277.0	631.2	298.0	297.9
3	254.00	-96.00	0.00	50.605	0.304	0.160	277.1	632.8	301.0	300.7
4	254.00	-92.00	0.00	51.309	0.702	0.403	277.1	632.0	311.1	310.5
5	254.00	-88.00	0.00	51.574	1.265	0.741	277.1	630.0	317.9	316.7
6	254.00	-84.00	0.00	51.530	1.974	1.119	277.1	628.8	327.3	325.5
7	254.00	-80.00	0.00	51.491	2.779	1.586	277.4	633.9	333.3	330.7
8	254.00	-76.00	0.00	51.309	3.719	2.165	277.6	630.8	343.2	339.6
9	254.00	-72.00	0.00	50.830	4.982	2.936	277.9	631.1	357.1	352.1
10	254.00	-68.00	0.00	51.702	6.162	3.739	277.7	629.6	365.0	358.8
11	254.00	-64.00	0.00	51.625	7.924	4.616	277.6	628.8	378.9	370.7
12	254.00	-60.00	0.00	51.551	9.920	5.711	277.7	632.7	394.7	384.1
13	254.00	-56.00	0.00	51.263	12.080	6.979	277.6	634.7	408.8	395.7
14	254.00	-52.00	0.00	51.070	14.533	8.395	277.4	634.3	425.2	409.0
15	254.00	-48.00	0.00	50.689	17.480	10.141	277.6	633.1	440.3	420.5

16	254.00	-44.00	0.00	51.090	20.478	11.856	277.3	631.9	450.4	427.1
17	254.00	-40.00	0.00	51.498	23.672	13.706	277.4	630.3	465.6	438.3
18	254.00	-36.00	0.00	51.682	26.697	15.373	277.6	629.4	479.6	448.4
19	254.00	-32.00	0.00	51.324	28.419	16.483	277.5	635.1	492.7	458.9
20	254.00	-28.00	0.00	51.179	30.673	17.798	277.5	637.0	505.1	468.2
21	254.00	-24.00	0.00	51.545	33.111	19.323	277.3	635.3	511.9	472.1
22	254.00	-20.00	0.00	51.767	35.301	20.498	277.4	632.1	518.5	476.0
23	254.00	-16.00	0.00	51.911	36.881	21.405	277.4	632.4	525.5	480.9
24	254.00	-12.00	0.00	50.829	36.911	21.461	277.3	634.0	530.8	485.7
25	254.00	-8.00	0.00	51.001	37.410	21.646	277.5	635.1	531.6	485.9
26	254.00	-4.00	0.00	51.476	37.866	21.954	277.3	633.3	533.1	486.9
27	254.00	0.00	0.00	51.633	37.976	22.072	277.4	631.6	532.6	486.3
28	254.00	4.00	0.00	51.876	38.217	22.146	277.4	631.1	531.0	484.6
29	254.00	8.00	0.00	51.110	37.395	21.732	277.4	631.9	530.5	484.9
30	254.00	12.00	0.00	51.024	37.085	21.505	277.2	633.2	529.0	483.9
31	254.00	16.00	0.00	51.370	36.076	20.963	277.5	631.1	520.3	476.9
32	254.00	20.00	0.00	51.654	34.506	19.956	277.8	630.5	511.2	470.0
33	254.00	24.00	0.00	51.960	31.582	18.353	277.7	630.5	499.2	461.8
34	254.00	28.00	0.00	51.205	27.094	15.496	277.6	634.0	485.3	453.3
35	254.00	32.00	0.00	51.216	22.861	13.209	277.8	636.1	467.5	440.9
36	254.00	36.00	0.00	51.559	18.356	10.569	277.7	633.4	444.9	424.0
37	254.00	40.00	0.00	51.826	15.120	8.823	277.5	631.4	431.5	414.5
38	254.00	44.00	0.00	51.448	11.728	6.866	277.8	632.8	413.2	400.3
39	254.00	48.00	0.00	50.779	9.481	5.516	278.0	635.0	400.5	390.2
40	254.00	52.00	0.00	51.503	7.711	4.594	278.0	633.0	385.1	377.0
41	254.00	56.00	0.00	51.645	6.313	3.795	277.9	632.3	370.2	363.7
42	254.00	60.00	0.00	51.417	5.277	3.126	278.0	633.6	363.2	357.9
43	254.00	64.00	0.00	50.730	4.036	2.355	278.0	634.3	353.5	349.5
44	254.00	68.00	0.00	51.486	3.292	1.868	277.9	632.7	342.6	339.4
45	254.00	72.00	0.00	51.832	2.390	1.427	277.9	632.8	335.6	333.3
46	254.00	76.00	0.00	51.719	1.658	1.006	278.0	632.7	326.3	324.8
47	254.00	80.00	0.00	51.267	1.094	0.679	278.3	632.1	320.8	319.8
48	254.00	84.00	0.00	50.602	0.497	0.308	278.0	634.4	311.3	310.9
49	254.00	88.00	0.00	51.048	0.300	0.219	277.8	634.8	307.0	306.7
50	254.00	92.00	0.00	51.176	0.071	0.078	278.0	632.1	297.1	297.0
51	254.00	96.00	0.00	51.276	0.028	0.022	277.8	631.6	292.0	292.0
52	254.00	100.00	0.00	50.474	0.011	0.011	277.9	632.4	289.8	289.8

File : TAB338T 24-FEB-89
24-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 635 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 5
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.781 kPa

Mean gauged plenum pressure : 51.474 kPa
RMS gauged plenum pressure : 0.397 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	0.00	-40.00	52.085	0.359	0.211	277.7	630.5	320.0	319.7
3	254.00	0.00	-39.00	51.462	0.439	0.266	277.9	634.2	320.1	319.7
4	254.00	0.00	-38.00	51.093	0.547	0.358	278.0	635.8	323.3	322.8
5	254.00	0.00	-37.00	51.389	0.763	0.406	278.2	635.6	330.0	329.3
6	254.00	0.00	-36.00	51.720	1.059	0.591	278.3	634.0	334.9	333.9
7	254.00	0.00	-35.00	51.567	1.228	0.737	277.9	633.4	338.8	337.6
8	254.00	0.00	-34.00	50.814	1.487	0.876	277.8	635.7	342.8	341.3
9	254.00	0.00	-33.00	51.579	1.822	1.045	277.9	632.5	347.1	345.3
10	254.00	0.00	-32.00	51.751	2.148	1.247	278.1	630.5	352.9	350.7
11	254.00	0.00	-31.00	51.858	2.554	1.481	278.1	629.8	356.6	354.0
12	254.00	0.00	-30.00	51.456	3.047	1.771	278.1	631.0	362.5	359.4
13	254.00	0.00	-29.00	50.920	3.582	2.086	278.3	632.6	368.3	364.6
14	254.00	0.00	-28.00	51.514	4.197	2.443	278.5	631.5	374.2	369.8
15	254.00	0.00	-27.00	51.754	4.919	2.869	278.0	630.4	379.2	374.0

16	254.00	0.00	-26.00	51.901	5.496	3.254	278.1	629.3	384.1	378.2
17	254.00	0.00	-25.00	51.272	6.219	3.593	278.0	631.1	392.2	385.5
18	254.00	0.00	-24.00	51.250	7.022	4.044	278.1	633.3	398.2	390.5
19	254.00	0.00	-23.00	51.844	8.148	4.701	278.2	632.3	405.9	396.9
20	254.00	0.00	-22.00	52.042	8.962	5.264	278.0	631.3	413.1	403.1
21	254.00	0.00	-21.00	51.821	10.209	5.962	277.7	630.5	419.1	407.6
22	254.00	0.00	-20.00	50.965	11.226	6.557	277.7	631.8	428.7	415.9
23	254.00	0.00	-19.00	50.573	12.432	7.204	277.9	635.2	434.5	420.2
24	254.00	0.00	-18.00	51.573	14.032	8.117	277.9	632.8	439.3	423.1
25	254.00	0.00	-17.00	51.897	15.363	8.974	277.8	630.7	444.7	426.9
26	254.00	0.00	-16.00	51.495	16.868	9.827	278.1	630.4	455.9	436.1
27	254.00	0.00	-15.00	50.900	18.276	10.648	278.0	630.9	462.4	440.8
28	254.00	0.00	-14.00	51.206	20.019	11.629	278.2	629.8	468.3	444.6
29	254.00	0.00	-13.00	51.641	21.957	12.627	278.2	630.9	475.7	449.6
30	254.00	0.00	-12.00	52.089	23.964	13.942	278.1	633.1	485.1	456.4
31	254.00	0.00	-11.00	50.978	25.320	14.658	277.9	636.3	493.6	463.0
32	254.00	0.00	-10.00	51.209	27.084	15.853	277.8	637.2	498.3	465.6
33	254.00	0.00	-9.00	51.544	29.078	16.888	277.6	635.6	505.8	470.5
34	254.00	0.00	-8.00	51.727	30.884	17.938	277.5	634.8	511.2	473.7
35	254.00	0.00	-7.00	51.638	32.456	18.900	277.6	634.4	517.0	477.5
36	254.00	0.00	-6.00	51.003	33.556	19.513	277.6	636.1	521.8	480.8
37	254.00	0.00	-5.00	51.688	35.373	20.490	277.7	634.3	527.1	483.9
38	254.00	0.00	-4.00	51.877	36.916	21.414	277.6	632.8	528.5	483.6
39	254.00	0.00	-3.00	51.640	37.146	21.535	277.7	632.7	530.1	484.8
40	254.00	0.00	-2.00	50.859	36.980	21.580	277.9	634.7	533.7	488.3
41	254.00	0.00	-1.00	51.329	37.818	21.955	277.8	633.6	534.5	488.2
42	254.00	0.00	0.00	51.752	37.984	22.005	277.8	632.2	530.4	484.3
43	254.00	0.00	1.00	51.793	37.736	21.900	278.0	630.8	531.1	485.2
44	254.00	0.00	2.00	51.583	36.720	21.321	277.9	629.5	526.8	482.2
45	254.00	0.00	3.00	50.838	35.330	20.510	277.7	631.4	526.0	482.9
46	254.00	0.00	4.00	51.365	34.671	20.136	277.6	630.5	522.8	480.6
47	254.00	0.00	5.00	51.778	33.625	19.529	278.0	627.8	515.4	474.8
48	254.00	0.00	6.00	51.810	32.389	18.785	278.0	623.8	508.7	469.8
49	254.00	0.00	7.00	50.920	30.169	17.447	278.1	628.5	509.1	472.5
50	254.00	0.00	8.00	51.043	28.646	16.601	277.7	632.4	500.4	465.9
51	254.00	0.00	9.00	51.490	27.405	15.831	277.8	631.1	494.4	461.6
52	254.00	0.00	10.00	51.752	25.674	14.966	277.9	631.1	490.4	459.6

File : TAB343T 25-FEB-89
25-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 650 K
DRPTAB, PLTDMN, -14 DEG
0-0

C1 : X/D = 5
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 51.424 kPa
RMS gauged plenum pressure : 0.413 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	51.522	0.040	0.028	283.6	649.2	303.5	303.5
3	254.00	-96.00	0.00	51.084	0.120	0.070	283.7	649.9	301.7	301.6
4	254.00	-92.00	0.00	51.315	0.314	0.153	283.7	650.6	309.3	309.0
5	254.00	-88.00	0.00	51.981	0.535	0.278	283.7	648.1	315.5	315.0
6	254.00	-84.00	0.00	51.951	0.686	0.483	284.1	647.9	320.5	319.9
7	254.00	-80.00	0.00	51.274	1.737	1.160	284.2	648.8	338.5	336.8
8	254.00	-76.00	0.00	51.111	2.367	1.410	283.8	649.3	343.4	341.1
9	254.00	-72.00	0.00	51.575	3.468	1.965	283.8	646.6	351.8	348.4
10	254.00	-68.00	0.00	51.837	3.867	2.369	283.8	645.9	357.7	353.8
11	254.00	-64.00	0.00	51.045	4.652	2.574	283.9	648.9	365.7	360.9
12	254.00	-60.00	0.00	50.674	5.485	3.159	283.8	650.2	382.7	376.9
13	254.00	-56.00	0.00	51.277	6.394	3.687	284.0	649.4	389.5	382.6
14	254.00	-52.00	0.00	51.604	8.716	5.168	283.8	647.6	406.0	396.4
15	254.00	-48.00	0.00	51.264	11.155	6.472	284.1	648.0	423.9	411.2

16	254.00	-44.00	0.00	50.652	13.577	7.909	284.4	649.5	438.1	422.4
17	254.00	-40.00	0.00	51.390	17.317	10.062	284.0	649.5	456.3	436.0
18	254.00	-36.00	0.00	51.831	20.846	12.183	284.1	649.0	473.7	448.8
19	254.00	-32.00	0.00	51.561	23.825	13.839	284.3	648.9	484.7	456.1
20	254.00	-28.00	0.00	51.261	26.957	15.756	284.5	650.5	501.0	468.2
21	254.00	-24.00	0.00	51.305	30.166	17.507	284.5	650.7	514.1	477.1
22	254.00	-20.00	0.00	51.773	33.186	19.208	284.4	649.0	525.6	484.6
23	254.00	-16.00	0.00	51.622	35.205	20.442	284.1	648.2	533.9	490.2
24	254.00	-12.00	0.00	50.952	36.051	20.969	284.1	649.6	539.3	494.3
25	254.00	-8.00	0.00	51.393	37.260	21.558	283.9	649.2	543.2	496.7
26	254.00	-4.00	0.00	51.767	37.881	22.041	284.3	648.1	544.7	497.4
27	254.00	0.00	0.00	51.947	38.144	22.120	284.2	646.1	545.8	498.2
28	254.00	4.00	0.00	51.086	37.341	21.633	284.3	647.8	546.5	499.6
29	254.00	8.00	0.00	50.941	36.634	21.375	284.1	649.8	543.1	497.2
30	254.00	12.00	0.00	51.450	36.617	21.256	284.3	648.4	539.0	493.5
31	254.00	16.00	0.00	52.187	35.155	20.439	284.2	647.1	529.7	486.4
32	254.00	20.00	0.00	51.437	32.340	18.751	284.4	648.4	519.6	479.9

File : TAB350T 1-MAR-89
1-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 644 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 7
C2 : HORIZONTAL
C3 : -2MM
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 51.248 kPa
RMS gauged plenum pressure : 0.275 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	-110.00	-2.00	51.196	0.171	0.095	280.7	643.0	304.4	304.2
3	355.60	-105.00	-2.00	51.443	0.194	0.111	280.7	642.1	305.1	304.9
4	355.60	-100.00	-2.00	51.400	0.589	0.350	280.7	643.0	314.2	313.7
5	355.60	-95.00	-2.00	51.060	0.959	0.579	280.6	643.1	322.0	321.1
6	355.60	-90.00	-2.00	51.213	1.616	1.056	280.7	644.0	331.6	330.1
7	355.60	-85.00	-2.00	51.635	2.254	1.406	280.6	642.4	338.3	336.1
8	355.60	-80.00	-2.00	51.188	3.098	1.803	280.6	642.5	344.5	341.5
9	355.60	-75.00	-2.00	51.137	4.189	2.444	280.5	641.6	354.4	350.2
10	355.60	-70.00	-2.00	51.110	5.409	3.153	280.6	644.5	365.9	360.4
11	355.60	-65.00	-2.00	51.446	6.632	3.905	280.5	644.3	376.4	369.5
12	355.60	-60.00	-2.00	51.417	8.184	4.745	280.6	643.0	386.1	377.5
13	355.60	-55.00	-2.00	51.315	9.621	5.671	280.6	643.0	396.0	385.7
14	355.60	-50.00	-2.00	51.013	11.343	6.554	280.6	643.3	406.9	394.5
15	355.60	-45.00	-2.00	50.800	12.864	7.399	280.6	643.4	418.5	404.2

16	355.60	-40.00	-2.00	51.385	14.812	8.646	280.5	642.0	428.8	412.2
17	355.60	-35.00	-2.00	51.474	16.834	9.768	280.6	640.4	441.0	421.8
18	355.60	-30.00	-2.00	50.997	18.562	10.780	280.6	641.7	449.8	428.4
19	355.60	-25.00	-2.00	51.007	20.449	11.940	280.6	641.2	458.3	434.6
20	355.60	-20.00	-2.00	51.619	22.843	13.197	280.7	640.6	469.0	442.3
21	355.60	-15.00	-2.00	51.627	24.001	13.969	280.7	640.7	476.7	448.4
22	355.60	-10.00	-2.00	50.992	24.510	14.233	280.7	641.5	478.8	449.8
23	355.60	-5.00	-2.00	51.134	25.291	14.651	280.7	641.0	481.3	451.4
24	355.60	0.00	-2.00	51.503	25.331	14.740	280.7	641.1	481.6	451.6
25	355.60	5.00	-2.00	51.421	25.362	14.617	280.6	641.5	480.0	450.1
26	355.60	10.00	-2.00	51.091	24.426	14.170	280.6	641.7	478.3	449.4
27	355.60	15.00	-2.00	50.893	23.456	13.576	280.5	642.3	472.8	445.2
28	355.60	20.00	-2.00	50.981	22.188	12.852	280.4	642.3	465.8	439.9
29	355.60	25.00	-2.00	51.312	20.531	11.865	280.4	641.1	457.4	433.6
30	355.60	30.00	-2.00	51.291	18.086	10.518	280.4	640.1	445.7	425.0
31	355.60	35.00	-2.00	51.085	15.424	8.910	280.4	640.9	434.5	417.0
32	355.60	40.00	-2.00	51.166	13.028	7.515	280.5	640.4	421.0	406.5
33	355.60	45.00	-2.00	51.532	10.669	6.208	280.5	638.7	407.3	395.6
34	355.60	50.00	-2.00	51.246	8.369	4.896	280.5	638.7	392.6	383.6
35	355.60	55.00	-2.00	50.894	6.730	3.882	280.4	639.3	382.4	375.3
36	355.60	60.00	-2.00	51.050	5.342	3.267	280.5	638.5	371.9	366.4
37	355.60	65.00	-2.00	51.651	4.300	2.616	280.5	637.9	361.1	356.7
38	355.60	70.00	-2.00	51.406	3.219	1.857	280.5	639.3	349.9	346.7
39	355.60	75.00	-2.00	51.036	2.086	1.324	280.5	641.5	338.3	336.3
40	355.60	80.00	-2.00	51.115	1.472	1.005	280.4	642.7	330.6	329.2
41	355.60	85.00	-2.00	51.078	1.337	0.776	280.3	643.3	325.5	324.3
42	355.60	90.00	-2.00	51.542	0.734	0.477	280.4	642.5	320.3	319.6
43	355.60	95.00	-2.00	51.609	0.283	0.226	280.4	641.3	310.9	310.6
44	355.60	100.00	-2.00	51.083	0.213	0.135	280.4	641.7	308.1	307.9
45	355.60	105.00	-2.00	51.030	0.046	0.053	280.4	641.9	301.7	301.7
46	355.60	110.00	-2.00	51.613	0.014	0.016	280.4	639.6	295.3	295.3

File : TAB349T 1-MAR-89
1-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 644 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 7
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 51.265 kPa
RMS gauged plenum pressure : 0.305 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	0.00	-60.00	51.778	0.025	0.013	278.8	640.3	308.2	308.2
3	355.60	0.00	-58.00	51.382	0.059	0.040	278.9	639.8	309.3	309.2
4	355.60	0.00	-56.00	50.889	0.170	0.095	278.9	641.1	313.3	313.1
5	355.60	0.00	-54.00	51.197	0.277	0.128	279.0	647.8	318.8	318.5
6	355.60	0.00	-52.00	51.383	0.401	0.261	279.0	647.3	324.7	324.3
7	355.60	0.00	-50.00	51.528	0.635	0.363	279.0	645.1	330.0	329.4
8	355.60	0.00	-48.00	51.037	0.827	0.483	279.1	645.4	336.4	335.6
9	355.60	0.00	-46.00	51.210	1.187	0.678	279.1	645.1	341.7	340.5
10	355.60	0.00	-44.00	51.148	1.597	0.932	279.2	644.7	348.1	346.5
11	355.60	0.00	-42.00	51.538	2.070	1.145	279.4	642.3	354.9	352.8
12	355.60	0.00	-40.00	51.059	2.562	1.494	279.5	643.4	362.9	360.3
13	355.60	0.00	-38.00	51.220	3.210	1.936	279.4	643.5	370.2	366.8
14	355.60	0.00	-36.00	50.896	3.823	2.243	279.5	642.7	375.5	371.5
15	355.60	0.00	-34.00	51.199	4.739	2.700	279.5	641.0	383.5	378.4

16	355.60	0.00	-32.00	51.586	5.810	3.425	279.5	643.5	393.3	387.0
17	355.60	0.00	-30.00	51.176	6.672	3.967	279.6	645.4	402.6	395.2
18	355.60	0.00	-28.00	50.904	7.885	4.531	279.6	647.4	410.5	401.7
19	355.60	0.00	-26.00	51.528	9.237	5.345	279.6	645.1	418.0	407.5
20	355.60	0.00	-24.00	51.520	10.759	6.207	279.6	643.8	425.9	413.6
21	355.60	0.00	-22.00	51.296	12.188	7.038	279.7	643.9	431.1	417.1
22	355.60	0.00	-20.00	50.835	13.592	7.850	279.7	644.4	438.2	422.5
23	355.60	0.00	-18.00	51.363	15.461	8.981	279.7	643.0	445.9	427.9
24	355.60	0.00	-16.00	51.445	17.464	10.048	279.8	641.4	455.7	435.2
25	355.60	0.00	-14.00	51.607	19.488	11.326	279.8	640.4	460.5	437.7
26	355.60	0.00	-12.00	51.063	20.792	12.086	279.7	641.2	466.7	442.2
27	355.60	0.00	-10.00	51.356	22.330	13.119	279.7	640.5	472.1	445.7
28	355.60	0.00	-8.00	51.281	23.748	13.738	279.7	631.5	470.2	442.5
29	355.60	0.00	-6.00	51.427	24.623	14.244	279.7	640.4	479.6	450.5
30	355.60	0.00	-4.00	51.000	24.912	14.556	279.7	645.0	483.3	453.7
31	355.60	0.00	-2.00	51.149	25.136	14.623	279.7	645.7	482.9	453.0
32	355.60	0.00	0.00	51.530	25.140	14.582	279.6	644.6	482.1	452.3
33	355.60	0.00	2.00	51.607	24.381	14.176	279.5	644.3	480.9	451.9
34	355.60	0.00	4.00	51.118	23.183	13.509	279.5	645.5	476.6	449.1
35	355.60	0.00	6.00	50.978	21.747	12.584	279.5	646.1	470.8	445.1
36	355.60	0.00	8.00	51.504	20.593	11.852	279.4	644.6	465.6	441.4
37	355.60	0.00	10.00	51.566	18.778	10.862	279.4	643.9	459.4	437.4

File : TAB332T 23-FEB-89
23-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 627 K
DRPTAB, PLTTAB
000-0

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.968 kPa

Mean gauged plenum pressure : 50.871 kPa
RMS gauged plenum pressure : 0.287 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	50.668	0.322	0.189	272.8	629.7	302.9	302.6
3	457.20	-105.00	0.00	50.978	0.491	0.409	272.8	628.9	304.5	304.1
4	457.20	-100.00	0.00	51.188	0.881	0.553	272.7	627.5	314.0	313.2
5	457.20	-95.00	0.00	50.730	1.136	0.651	272.7	626.9	316.7	315.7
6	457.20	-90.00	0.00	50.567	1.567	0.998	272.7	624.9	322.6	321.1
7	457.20	-85.00	0.00	50.680	2.264	1.279	272.6	627.1	328.5	326.4
8	457.20	-80.00	0.00	51.073	2.690	1.573	272.7	627.5	333.2	330.6
9	457.20	-75.00	0.00	51.011	3.570	2.146	272.6	627.1	340.8	337.3
10	457.20	-70.00	0.00	50.786	4.540	2.606	272.6	626.0	349.2	344.7
11	457.20	-65.00	0.00	50.585	5.285	3.085	272.6	625.5	356.0	350.7
12	457.20	-60.00	0.00	50.512	6.144	3.589	272.6	625.6	362.3	356.1
13	457.20	-55.00	0.00	50.875	7.404	4.268	272.5	625.3	371.6	364.0
14	457.20	-50.00	0.00	51.174	8.438	4.948	272.5	623.9	376.5	367.8
15	457.20	-45.00	0.00	50.927	9.444	5.476	272.5	622.6	382.8	372.9

16	457.20	-40.00	0.00	50.710	10.672	6.190	272.5	621.6	393.5	382.1
17	457.20	-35.00	0.00	50.584	11.812	6.822	272.5	625.9	402.0	389.2
18	457.20	-30.00	0.00	51.153	12.786	7.464	272.4	624.9	404.5	390.7
19	457.20	-25.00	0.00	50.928	14.082	8.137	272.4	624.5	412.8	397.4
20	457.20	-20.00	0.00	51.142	15.115	8.704	272.5	623.5	418.2	401.5
21	457.20	-15.00	0.00	50.868	15.703	9.113	272.6	623.0	420.7	403.4
22	457.20	-10.00	0.00	50.783	16.299	9.477	272.6	624.7	426.5	408.3
23	457.20	-5.00	0.00	51.075	16.735	9.672	272.7	623.8	427.3	408.7
24	457.20	0.00	0.00	50.997	16.937	9.813	272.7	622.9	428.0	409.1
25	457.20	5.00	0.00	51.434	17.198	9.904	272.7	620.9	425.9	406.8
26	457.20	10.00	0.00	50.695	16.443	9.677	272.6	621.4	425.1	406.8
27	457.20	15.00	0.00	50.394	15.955	9.257	272.6	622.1	422.2	404.5
28	457.20	20.00	0.00	50.983	15.512	8.969	272.7	620.9	418.3	401.2

File : TAB331T 23-FEB-89
23-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 625 K
DRPTAB, PLTTAB
000-0

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.002 kPa

Mean gauged plenum pressure : 50.952 kPa
RMS gauged plenum pressure : 0.287 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.199	0.653	0.365	271.5	623.2	317.2	316.6
3	457.20	0.00	-58.00	51.007	0.686	0.382	271.4	623.2	319.5	318.9
4	457.20	0.00	-56.00	50.890	0.797	0.460	271.7	621.8	321.2	320.5
5	457.20	0.00	-54.00	50.657	0.975	0.557	271.6	622.5	326.4	325.5
6	457.20	0.00	-52.00	51.032	1.318	0.768	271.6	622.5	329.5	328.2
7	457.20	0.00	-50.00	50.753	1.447	0.839	271.6	626.2	334.2	332.8
8	457.20	0.00	-48.00	51.049	1.854	1.095	271.7	624.6	340.6	338.8
9	457.20	0.00	-46.00	51.108	2.091	1.219	271.7	623.3	341.2	339.2
10	457.20	0.00	-44.00	50.663	2.446	1.444	271.5	623.9	344.8	342.4
11	457.20	0.00	-42.00	51.086	2.877	1.688	271.4	622.8	351.4	348.5
12	457.20	0.00	-40.00	51.086	3.393	1.987	271.6	621.4	355.5	352.1
13	457.20	0.00	-38.00	51.040	3.727	2.172	271.6	620.6	358.5	354.7
14	457.20	0.00	-36.00	50.888	4.264	2.546	271.7	619.1	363.5	359.1
15	457.20	0.00	-34.00	50.762	4.837	2.807	271.5	620.5	367.8	362.8

16	457.20	0.00	-32.00	51.106	5.491	3.235	271.5	619.5	371.4	365.7
17	457.20	0.00	-30.00	51.106	6.052	3.514	271.8	619.8	376.2	369.8
18	457.20	0.00	-28.00	51.151	6.756	3.927	271.9	618.7	381.0	373.9
19	457.20	0.00	-26.00	50.956	7.651	4.399	271.9	619.2	385.7	377.6
20	457.20	0.00	-24.00	50.915	8.204	4.801	271.9	619.1	389.0	380.2
21	457.20	0.00	-22.00	51.205	9.302	5.439	272.1	618.7	394.7	384.7
22	457.20	0.00	-20.00	51.094	10.252	5.980	272.2	618.3	399.0	387.9
23	457.20	0.00	-18.00	51.147	11.173	6.438	272.2	620.6	404.3	392.1
24	457.20	0.00	-16.00	50.861	11.900	6.956	272.3	622.7	409.2	396.1
25	457.20	0.00	-14.00	50.775	12.756	7.455	272.3	623.5	411.3	397.3
26	457.20	0.00	-12.00	51.170	13.947	7.991	272.4	620.9	416.6	401.2
27	457.20	0.00	-10.00	50.957	14.473	8.437	272.5	623.1	418.2	402.2
28	457.20	0.00	-8.00	50.808	15.289	8.834	272.5	622.7	421.9	404.9
29	457.20	0.00	-6.00	50.637	15.736	9.111	272.6	621.5	423.4	405.9
30	457.20	0.00	-4.00	50.847	16.471	9.579	272.6	622.1	426.7	408.4
31	457.20	0.00	-2.00	51.043	16.754	9.717	272.6	623.6	427.2	408.5
32	457.20	0.00	0.00	51.064	17.066	9.894	272.6	622.3	426.2	407.3
33	457.20	0.00	2.00	51.167	16.897	9.776	272.5	622.7	425.9	407.2
34	457.20	0.00	4.00	50.857	16.762	9.741	272.5	623.9	428.4	409.7
35	457.20	0.00	6.00	50.702	16.401	9.461	272.4	624.9	427.0	408.7
36	457.20	0.00	8.00	51.190	15.922	9.307	272.4	623.3	424.2	406.5
37	457.20	0.00	10.00	51.147	15.398	8.994	272.4	623.3	421.4	404.3

File : TAB346T 28-FEB-89
28-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 644 K
DRPTAB, PLTTAB, -14 DEG
000-0

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.494 kPa

Mean gauged plenum pressure : 50.818 kPa
RMS gauged plenum pressure : 0.368 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.024	0.188	0.103	279.9	642.7	308.2	308.0
3	457.20	-105.00	0.00	51.045	0.368	0.220	280.0	642.6	309.8	309.5
4	457.20	-100.00	0.00	50.576	0.453	0.248	280.2	640.4	313.4	313.0
5	457.20	-95.00	0.00	50.493	0.741	0.483	280.2	639.7	318.6	317.9
6	457.20	-90.00	0.00	50.486	1.553	0.850	280.3	639.3	328.7	327.2
7	457.20	-85.00	0.00	50.922	1.502	0.875	280.3	637.2	330.3	328.9
8	457.20	-80.00	0.00	50.840	2.274	1.227	280.3	639.5	339.4	337.2
9	457.20	-75.00	0.00	50.556	2.899	1.684	280.2	645.4	348.2	345.3
10	457.20	-70.00	0.00	50.683	3.645	2.045	280.3	645.7	353.4	349.7
11	457.20	-65.00	0.00	49.755	4.440	2.560	280.3	644.8	361.2	356.7
12	457.20	-60.00	0.00	50.435	5.119	2.983	280.3	645.9	367.0	361.7
13	457.20	-55.00	0.00	50.730	6.155	3.570	280.4	647.4	375.2	368.7
14	457.20	-50.00	0.00	51.204	7.779	4.428	280.7	639.2	384.9	376.6
15	457.20	-45.00	0.00	51.081	8.782	5.223	280.6	639.8	390.6	381.2

16	457.20	-40.00	0.00	51.194	9.767	5.787	280.6	640.3	399.1	388.4
17	457.20	-35.00	0.00	50.983	11.168	6.440	280.7	638.7	406.4	394.1
18	457.20	-30.00	0.00	50.928	12.370	7.217	280.7	642.4	414.9	401.1
19	457.20	-25.00	0.00	50.968	13.614	7.837	280.7	642.5	422.2	406.9
20	457.20	-20.00	0.00	51.018	14.824	8.529	280.7	640.0	426.1	409.4
21	457.20	-15.00	0.00	51.065	15.671	9.097	280.8	637.4	432.3	414.5
22	457.20	-10.00	0.00	50.803	16.251	9.383	280.9	641.3	436.6	418.0
23	457.20	-5.00	0.00	50.977	16.702	9.771	280.7	642.0	438.3	419.2
24	457.20	0.00	0.00	50.778	16.885	9.815	280.7	643.2	440.8	421.4
25	457.20	5.00	0.00	51.211	16.828	9.770	280.7	642.7	439.5	420.2
26	457.20	10.00	0.00	50.871	16.472	9.590	280.7	641.4	435.7	416.9
27	457.20	15.00	0.00	51.080	15.957	9.207	280.7	640.1	432.8	414.7
28	457.20	20.00	0.00	50.831	14.964	8.680	280.7	639.6	428.8	411.8

File : TAB356T 2-MAR-89
2-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 655 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 13
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.765 kPa

Mean gauged plenum pressure : 51.097 kPa
RMS gauged plenum pressure : 0.292 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
1	660.40	0.00	0.00	51.033	8.645	5.025	284.7	655.3	395.8	386.4
2	660.40	-160.00	0.00	51.428	0.014	0.012	284.6	654.3	299.8	299.8
3	660.40	-152.00	0.00	51.325	0.014	0.012	284.6	654.5	296.5	296.5
4	660.40	-144.00	0.00	50.901	0.025	0.032	284.6	654.8	300.2	300.2
5	660.40	-136.00	0.00	50.764	0.098	0.065	284.6	655.8	304.6	304.5
6	660.40	-128.00	0.00	51.096	0.185	0.122	284.6	654.3	309.2	309.0
7	660.40	-120.00	0.00	51.357	0.331	0.243	284.7	652.7	315.0	314.7
8	660.40	-112.00	0.00	51.275	0.653	0.397	284.6	652.5	320.2	319.6
9	660.40	-104.00	0.00	50.760	0.915	0.546	284.6	653.0	325.8	324.9
10	660.40	-96.00	0.00	51.148	1.371	0.778	284.5	651.9	331.0	329.7
11	660.40	-88.00	0.00	51.279	2.058	1.181	284.5	650.0	338.6	336.6
12	660.40	-80.00	0.00	51.316	2.461	1.461	284.5	648.8	344.9	342.5
13	660.40	-72.00	0.00	50.972	3.222	1.874	284.5	651.3	353.3	350.1
14	660.40	-64.00	0.00	50.356	3.942	2.338	284.5	650.3	358.8	354.8

15	660.40	-56.00	0.00	51.003	4.830	2.822	284.5	654.1	366.2	361.2
16	660.40	-48.00	0.00	51.310	5.627	3.297	284.5	654.9	372.6	366.7
17	660.40	-40.00	0.00	51.055	6.560	3.779	284.5	653.9	379.3	372.4
18	660.40	-32.00	0.00	51.443	7.204	4.164	284.4	652.6	384.0	376.3
19	660.40	-24.00	0.00	51.393	7.853	4.580	284.4	652.4	388.4	380.0
20	660.40	-16.00	0.00	50.732	8.174	4.697	284.4	653.9	391.9	383.1
21	660.40	-8.00	0.00	51.376	8.645	5.036	284.5	652.2	393.8	384.4
22	660.40	0.00	0.00	51.348	8.787	5.086	284.4	648.4	394.6	385.1
23	660.40	8.00	0.00	51.196	8.647	5.023	284.4	648.0	393.1	383.8
24	660.40	16.00	0.00	50.670	8.281	4.845	284.5	646.7	391.9	383.0
25	660.40	24.00	0.00	50.797	7.834	4.568	284.4	649.4	390.1	381.7
26	660.40	32.00	0.00	51.149	7.316	4.299	284.4	653.4	386.1	378.3
27	660.40	40.00	0.00	51.151	6.530	3.814	284.4	654.1	381.6	374.7
28	660.40	48.00	0.00	51.189	5.748	3.359	284.4	654.5	376.2	370.1
29	660.40	56.00	0.00	51.149	4.967	2.801	284.4	654.8	368.4	363.2
30	660.40	64.00	0.00	50.913	4.109	2.438	284.3	655.3	364.0	359.8
31	660.40	72.00	0.00	51.197	3.065	1.757	284.4	653.4	353.0	349.9
32	660.40	80.00	0.00	51.083	2.625	1.489	284.4	652.6	347.9	345.3
33	660.40	88.00	0.00	51.217	1.728	1.053	284.3	652.8	340.3	338.6
34	660.40	96.00	0.00	50.788	1.352	0.850	284.3	654.1	335.7	334.4
35	660.40	104.00	0.00	50.736	0.852	0.528	284.3	654.8	328.0	327.2
36	660.40	112.00	0.00	51.285	0.656	0.399	284.3	652.5	322.7	322.1
37	660.40	120.00	0.00	51.278	0.386	0.211	284.3	651.2	317.2	316.8
38	660.40	128.00	0.00	51.033	0.176	0.099	284.3	650.7	311.6	311.4
39	660.40	136.00	0.00	50.863	0.060	0.069	284.2	651.6	306.5	306.4
40	660.40	144.00	0.00	51.083	0.033	0.044	284.2	651.2	302.5	302.5
41	660.40	152.00	0.00	51.421	0.013	0.019	284.2	649.0	297.7	297.7
42	660.40	160.00	0.00	51.561	0.012	0.017	284.3	647.2	293.5	293.5

File : TAB355T 2-MAR-89
2-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 655 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 13
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.765 kPa

Mean gauged plenum pressure : 51.099 kPa
RMS gauged plenum pressure : 0.350 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	0.00	-120.00	51.366	0.024	0.012	284.9	652.3	303.0	303.0
3	660.40	0.00	-116.00	51.438	0.025	0.024	285.0	652.2	301.6	301.6
4	660.40	0.00	-112.00	51.012	0.044	0.016	284.9	652.0	303.4	303.4
5	660.40	0.00	-108.00	50.982	0.079	0.056	284.8	652.1	306.3	306.2
6	660.40	0.00	-104.00	51.264	0.105	0.061	284.9	650.3	309.1	309.0
7	660.40	0.00	-100.00	51.705	0.164	0.085	284.8	649.7	312.4	312.3
8	660.40	0.00	-96.00	51.186	0.251	0.136	284.9	651.0	315.5	315.3
9	660.40	0.00	-92.00	50.566	0.323	0.173	284.9	651.5	319.3	319.0
10	660.40	0.00	-88.00	50.306	0.371	0.223	284.9	654.0	321.9	321.6
11	660.40	0.00	-84.00	50.712	0.490	0.325	284.9	652.9	325.6	325.1
12	660.40	0.00	-80.00	51.148	0.663	0.374	284.8	650.7	328.7	328.1
13	660.40	0.00	-76.00	51.238	0.861	0.494	284.8	650.7	333.0	332.2
14	660.40	0.00	-72.00	50.791	1.006	0.594	284.8	652.8	336.6	335.6
15	660.40	0.00	-68.00	51.418	1.240	0.755	284.8	651.5	340.5	339.3

16	660.40	0.00	-64.00	51.324	1.594	0.906	284.8	650.2	344.1	342.5
17	660.40	0.00	-60.00	51.347	1.873	1.094	284.8	649.0	348.8	346.9
18	660.40	0.00	-56.00	50.733	2.219	1.283	284.8	650.9	352.5	350.3
19	660.40	0.00	-52.00	50.671	2.570	1.459	284.8	651.7	357.3	354.7
20	660.40	0.00	-48.00	51.074	3.019	1.774	284.8	650.7	361.2	358.1
21	660.40	0.00	-44.00	51.606	3.589	2.091	284.8	649.1	364.3	360.6
22	660.40	0.00	-40.00	51.040	4.005	2.315	284.7	650.1	369.8	365.6
23	660.40	0.00	-36.00	50.535	4.608	2.637	284.7	654.6	374.4	369.5
24	660.40	0.00	-32.00	51.150	5.254	3.022	284.7	653.9	377.9	372.3
25	660.40	0.00	-28.00	51.212	5.928	3.397	284.8	652.5	382.4	376.1
26	660.40	0.00	-24.00	51.510	6.480	3.757	284.7	651.6	385.0	378.0
27	660.40	0.00	-20.00	50.961	7.121	4.133	284.7	652.5	388.1	380.4
28	660.40	0.00	-16.00	50.591	7.538	4.327	284.7	654.3	391.1	382.9
29	660.40	0.00	-12.00	51.460	8.108	4.714	284.7	651.4	392.0	383.2
30	660.40	0.00	-8.00	51.289	8.488	4.936	284.7	650.4	393.0	383.8
31	660.40	0.00	-4.00	51.157	8.700	5.015	284.7	648.7	394.4	385.0
32	660.40	0.00	0.00	51.131	8.735	5.043	284.7	651.9	395.1	385.6
33	660.40	0.00	4.00	51.073	8.692	5.016	284.7	649.6	395.6	386.2
34	660.40	0.00	8.00	51.484	8.464	4.890	284.8	648.1	393.3	384.1
35	660.40	0.00	12.00	51.381	8.118	4.708	284.7	647.4	391.4	382.6
36	660.40	0.00	16.00	50.798	7.474	4.342	284.8	654.3	392.3	384.2
37	660.40	0.00	20.00	51.011	6.913	4.042	284.8	655.7	388.8	381.3

File : TAB340T 25-FEB-89
25-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 621 K
DRPTAB, PLTTAB
I-B

C1 : X/D = 5
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.815 kPa

Mean gauged plenum pressure : 51.163 kPa
RMS gauged plenum pressure : 0.353 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	51.144	0.210	0.136	273.1	621.0	296.9	296.7
3	254.00	-96.00	0.00	51.173	0.357	0.214	273.2	619.7	299.8	299.5
4	254.00	-92.00	0.00	50.659	0.726	0.441	273.3	620.6	308.4	307.8
5	254.00	-88.00	0.00	50.833	1.382	0.782	273.3	620.1	314.6	313.4
6	254.00	-84.00	0.00	51.310	1.973	1.085	273.3	618.6	322.1	320.3
7	254.00	-80.00	0.00	51.531	2.971	1.730	273.4	617.0	330.8	328.0
8	254.00	-76.00	0.00	50.965	3.770	2.159	273.6	617.6	340.8	337.2
9	254.00	-72.00	0.00	50.631	5.192	2.989	273.5	618.4	351.8	346.7
10	254.00	-68.00	0.00	51.358	6.638	3.896	273.5	616.5	367.3	360.6
11	254.00	-64.00	0.00	51.638	8.446	4.971	273.6	617.5	378.6	369.9
12	254.00	-60.00	0.00	51.121	10.580	6.142	273.6	627.5	394.5	383.3
13	254.00	-56.00	0.00	50.545	12.925	7.479	273.7	623.5	408.5	394.5
14	254.00	-52.00	0.00	51.514	16.204	9.337	273.8	619.9	426.5	408.6
15	254.00	-48.00	0.00	51.834	20.000	11.559	273.8	618.7	441.8	419.4

16	254.00	-44.00	0.00	51.299	23.548	13.563	273.8	618.3	459.1	432.3
17	254.00	-40.00	0.00	50.695	27.759	16.037	273.8	619.2	478.5	446.3
18	254.00	-36.00	0.00	51.005	31.886	18.501	273.8	618.5	493.1	455.8
19	254.00	-32.00	0.00	51.391	35.811	20.773	273.8	616.3	505.6	463.6
20	254.00	-28.00	0.00	51.089	36.409	21.075	273.8	616.5	508.2	465.4
21	254.00	-24.00	0.00	50.809	33.814	19.596	273.8	620.9	504.5	464.5
22	254.00	-20.00	0.00	51.369	28.573	16.345	273.8	620.1	486.4	452.9
23	254.00	-16.00	0.00	51.768	22.689	13.174	273.8	618.5	468.1	441.6
24	254.00	-12.00	0.00	51.391	17.351	10.049	273.9	617.9	448.6	428.6
25	254.00	-8.00	0.00	50.943	13.751	7.936	274.1	619.0	433.0	417.4
26	254.00	-4.00	0.00	50.913	12.303	7.101	274.3	619.6	427.8	413.8
27	254.00	0.00	0.00	51.409	12.383	7.195	274.2	617.7	428.1	414.1
28	254.00	4.00	0.00	51.315	14.213	8.198	274.1	617.5	435.5	419.3
29	254.00	8.00	0.00	50.683	17.676	10.247	274.1	618.8	453.0	432.5
30	254.00	12.00	0.00	51.203	23.043	13.336	274.2	617.8	471.6	444.6
31	254.00	16.00	0.00	51.768	30.531	17.748	274.3	615.6	494.1	458.1
32	254.00	20.00	0.00	51.486	36.422	21.123	274.4	615.2	509.4	466.5
33	254.00	24.00	0.00	51.174	37.196	21.644	274.4	618.1	511.2	467.4
34	254.00	28.00	0.00	50.955	34.140	19.785	274.3	619.9	502.8	462.6
35	254.00	32.00	0.00	51.467	28.795	16.597	274.4	618.8	481.5	448.1
36	254.00	36.00	0.00	51.597	22.924	13.340	274.2	617.6	461.0	434.7
37	254.00	40.00	0.00	51.017	17.201	10.050	274.3	618.2	440.8	421.3
38	254.00	44.00	0.00	50.812	13.366	7.770	274.4	619.2	418.3	403.5
39	254.00	48.00	0.00	51.360	10.852	6.269	274.5	617.6	402.3	390.6
40	254.00	52.00	0.00	51.640	8.903	4.985	274.6	615.6	392.5	383.0
41	254.00	56.00	0.00	51.232	7.105	3.958	274.6	616.1	374.1	366.8
42	254.00	60.00	0.00	50.710	5.439	3.276	274.5	616.8	363.2	357.7
43	254.00	64.00	0.00	51.124	4.547	2.555	274.4	616.4	353.1	348.6
44	254.00	68.00	0.00	51.529	3.749	2.124	274.2	614.8	342.6	339.0
45	254.00	72.00	0.00	51.131	2.639	1.523	274.1	616.3	333.8	331.3
46	254.00	76.00	0.00	50.607	1.796	1.091	274.4	618.1	323.6	321.9
47	254.00	80.00	0.00	51.157	1.357	0.743	274.6	618.2	318.3	317.1
48	254.00	84.00	0.00	51.398	0.707	0.426	274.6	616.0	310.6	310.0
49	254.00	88.00	0.00	51.064	0.416	0.268	274.7	615.4	303.4	303.0
50	254.00	92.00	0.00	50.832	0.162	0.072	274.6	617.9	298.3	298.2
51	254.00	96.00	0.00	50.970	0.041	0.036	274.7	618.8	291.1	291.1
52	254.00	100.00	0.00	51.427	0.013	0.011	274.9	616.4	286.2	286.2

File : TAB339T 25-FEB-89
25-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 621 K
DRPTAB, PLTTAB
0-0

C1 : X/D = 5
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.781 kPa

Mean gauged plenum pressure : 51.171 kPa
RMS gauged plenum pressure : 0.351 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	0.00	-40.00	51.309	0.509	0.310	270.5	628.8	314.0	313.5
3	254.00	0.00	-39.00	51.733	0.601	0.318	270.6	628.0	311.8	311.3
4	254.00	0.00	-38.00	51.292	0.729	0.423	270.6	628.3	317.7	317.0
5	254.00	0.00	-37.00	50.902	0.793	0.514	270.8	629.7	320.1	319.4
6	254.00	0.00	-36.00	51.175	0.968	0.556	270.7	627.8	322.1	321.2
7	254.00	0.00	-35.00	51.280	1.084	0.636	270.6	623.4	325.6	324.6
8	254.00	0.00	-34.00	50.775	1.367	0.839	270.7	622.5	327.7	326.4
9	254.00	0.00	-33.00	50.706	1.523	0.835	270.7	622.3	332.3	330.9
10	254.00	0.00	-32.00	51.091	1.818	1.025	270.7	620.9	335.4	333.7
11	254.00	0.00	-31.00	51.391	2.100	1.220	270.8	619.5	338.9	336.9
12	254.00	0.00	-30.00	51.101	2.265	1.284	270.8	619.0	339.9	337.7
13	254.00	0.00	-29.00	50.616	2.743	1.594	270.9	619.7	344.7	342.0
14	254.00	0.00	-28.00	50.712	2.798	1.597	271.0	619.4	345.9	343.2
15	254.00	0.00	-27.00	51.163	3.069	1.786	271.0	617.4	349.2	346.2

16	254.00	0.00	-26.00	51.271	3.606	2.052	271.1	620.9	358.8	355.2
17	254.00	0.00	-25.00	50.898	3.838	2.264	271.0	624.7	360.0	356.1
18	254.00	0.00	-24.00	51.124	3.981	2.345	270.9	625.1	363.2	359.1
19	254.00	0.00	-23.00	51.694	4.610	2.645	271.0	625.3	366.6	361.9
20	254.00	0.00	-22.00	51.361	4.997	2.901	271.2	623.2	369.9	364.7
21	254.00	0.00	-21.00	50.749	5.732	3.234	271.2	622.7	377.4	371.4
22	254.00	0.00	-20.00	51.412	5.754	3.434	271.2	620.0	377.5	371.5
23	254.00	0.00	-19.00	51.517	6.151	3.484	271.2	619.7	380.0	373.5
24	254.00	0.00	-18.00	51.047	6.785	3.964	271.1	620.2	388.6	381.3
25	254.00	0.00	-17.00	50.493	6.869	4.160	271.2	620.6	390.7	383.3
26	254.00	0.00	-16.00	50.633	7.618	4.510	271.4	620.1	392.7	384.5
27	254.00	0.00	-15.00	51.475	7.968	4.589	271.4	617.8	397.4	388.8
28	254.00	0.00	-14.00	51.565	8.199	4.786	271.4	620.1	397.8	388.9
29	254.00	0.00	-13.00	51.023	9.370	5.358	271.5	621.7	403.2	393.0
30	254.00	0.00	-12.00	51.414	9.152	5.335	271.4	623.1	405.6	395.5
31	254.00	0.00	-11.00	51.776	9.731	5.645	271.6	620.8	409.3	398.6
32	254.00	0.00	-10.00	51.599	10.083	5.937	271.6	620.6	409.4	398.3
33	254.00	0.00	-9.00	51.114	10.553	6.099	271.7	622.1	414.5	402.8
34	254.00	0.00	-8.00	51.299	10.883	6.333	271.7	622.5	415.7	403.6
35	254.00	0.00	-7.00	51.687	11.312	6.613	271.7	620.5	420.4	407.7
36	254.00	0.00	-6.00	51.410	11.481	6.678	271.7	619.8	420.3	407.4
37	254.00	0.00	-5.00	50.725	11.670	6.749	271.8	620.5	423.7	410.5
38	254.00	0.00	-4.00	50.842	11.906	6.908	271.8	620.6	424.4	411.0
39	254.00	0.00	-3.00	51.301	12.255	7.034	271.9	618.8	427.4	413.5
40	254.00	0.00	-2.00	50.995	12.523	7.221	272.0	618.7	428.2	414.0
41	254.00	0.00	-1.00	50.836	12.477	7.234	272.0	619.2	429.5	415.3
42	254.00	0.00	0.00	51.108	12.718	7.384	272.1	618.6	429.8	415.3
43	254.00	0.00	1.00	51.520	12.679	7.377	272.0	616.4	427.2	412.9
44	254.00	0.00	2.00	51.308	12.702	7.360	272.1	615.9	427.1	412.7
45	254.00	0.00	3.00	50.733	12.558	7.235	272.3	616.5	427.8	413.6
46	254.00	0.00	4.00	51.382	12.507	7.187	272.2	615.5	424.6	410.5
47	254.00	0.00	5.00	51.608	12.360	7.197	272.3	617.8	425.8	411.8
48	254.00	0.00	6.00	51.410	12.192	7.086	272.4	617.7	425.2	411.4
49	254.00	0.00	7.00	50.915	11.882	6.882	272.4	618.8	424.3	410.9
50	254.00	0.00	8.00	51.058	11.713	6.900	272.5	619.0	423.5	410.3
51	254.00	0.00	9.00	51.626	11.537	6.745	272.6	617.5	419.6	406.7
52	254.00	0.00	10.00	51.363	11.007	6.430	272.5	617.6	418.3	406.0

File : TAB344T 25-FEB-89
25-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 650 K
DRPTAB, PLTDMN, -14 DEG
I-B

C1 : X/D = 5
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.510 kPa

Mean gauged plenum pressure : 51.315 kPa
RMS gauged plenum pressure : 0.449 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	50.984	0.044	0.045	284.1	651.9	304.2	304.2
3	254.00	-96.00	0.00	51.254	0.080	0.067	284.2	650.8	303.2	303.1
4	254.00	-92.00	0.00	51.820	0.165	0.141	284.7	648.7	310.9	310.8
5	254.00	-88.00	0.00	52.107	0.514	0.337	284.5	646.6	315.0	314.5
6	254.00	-84.00	0.00	50.831	0.615	0.398	284.3	649.3	321.8	321.2
7	254.00	-80.00	0.00	50.253	1.315	0.726	284.5	651.5	331.2	329.9
8	254.00	-76.00	0.00	50.563	2.125	1.264	284.4	653.0	342.9	340.8
9	254.00	-72.00	0.00	51.459	3.134	1.717	284.5	650.6	353.0	349.9
10	254.00	-68.00	0.00	51.145	3.762	2.293	284.8	649.8	363.1	359.2
11	254.00	-64.00	0.00	50.981	4.456	2.901	284.8	651.7	372.0	367.4
12	254.00	-60.00	0.00	51.285	6.718	3.671	284.8	654.9	392.3	385.0
13	254.00	-56.00	0.00	51.683	7.749	4.606	284.8	654.9	406.9	398.3
14	254.00	-52.00	0.00	51.609	9.646	5.453	284.9	654.8	420.3	409.3
15	254.00	-48.00	0.00	51.815	12.742	7.535	284.6	654.3	440.4	425.5

16	254.00	-44.00	0.00	50.936	16.006	9.473	284.6	655.5	459.9	440.8
17	254.00	-40.00	0.00	51.147	20.325	11.738	284.6	656.4	479.3	454.7
18	254.00	-36.00	0.00	51.477	25.094	14.557	284.5	655.3	499.0	468.2
19	254.00	-32.00	0.00	51.824	30.122	17.545	284.5	654.1	515.7	478.6
20	254.00	-28.00	0.00	51.480	32.599	18.942	284.5	653.0	522.0	481.9
21	254.00	-24.00	0.00	51.080	31.688	18.421	284.5	653.2	520.6	481.5
22	254.00	-20.00	0.00	51.514	28.133	16.393	284.4	652.3	505.2	470.9
23	254.00	-16.00	0.00	51.842	22.548	13.123	284.1	649.8	488.2	460.8
24	254.00	-12.00	0.00	51.426	17.180	9.983	284.3	649.1	469.6	448.8
25	254.00	-8.00	0.00	50.758	13.788	7.959	284.5	651.1	454.8	438.3
26	254.00	-4.00	0.00	50.768	12.258	7.091	284.5	651.2	446.8	432.3
27	254.00	0.00	0.00	51.665	12.460	7.214	284.5	649.4	447.0	432.2
28	254.00	4.00	0.00	51.749	14.209	8.228	284.5	648.6	456.5	439.5
29	254.00	8.00	0.00	51.024	17.257	9.993	284.5	650.2	470.8	449.9
30	254.00	12.00	0.00	50.908	22.418	12.999	284.5	650.5	490.9	463.5
31	254.00	16.00	0.00	51.592	29.393	16.952	284.6	648.3	511.5	475.4
32	254.00	20.00	0.00	51.759	34.111	19.686	284.2	646.3	521.8	480.1

File : TAB351T 1-MAR-89
1-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 650 K
DRPTAB, PLTTAB
I-B

C1 : X/D = 7
C2 : HORIZONTAL
C3 : -2MM
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.544 kPa

Mean gauged plenum pressure : 51.358 kPa
RMS gauged plenum pressure : 0.347 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	-110.00	-2.00	51.330	0.154	0.085	281.5	650.5	304.5	304.4
3	355.60	-105.00	-2.00	51.433	0.355	0.229	281.5	648.8	308.7	308.4
4	355.60	-100.00	-2.00	51.622	0.641	0.389	281.6	647.1	315.7	315.1
5	355.60	-95.00	-2.00	50.996	1.148	0.681	281.6	648.7	325.8	324.7
6	355.60	-90.00	-2.00	51.149	1.635	0.971	281.5	649.1	331.5	329.9
7	355.60	-85.00	-2.00	51.476	2.561	1.450	281.6	647.5	342.0	339.5
8	355.60	-80.00	-2.00	51.736	3.608	2.107	281.5	646.9	352.4	348.8
9	355.60	-75.00	-2.00	51.406	4.749	2.777	281.6	646.9	362.8	358.0
10	355.60	-70.00	-2.00	50.825	6.116	3.550	281.5	649.5	374.4	368.0
11	355.60	-65.00	-2.00	51.422	7.661	4.469	281.6	646.8	387.2	379.1
12	355.60	-60.00	-2.00	51.730	9.564	5.597	281.6	644.7	399.7	389.3
13	355.60	-55.00	-2.00	51.516	11.556	6.676	281.6	645.0	414.9	402.1
14	355.60	-50.00	-2.00	51.120	13.524	7.799	281.7	647.8	427.0	411.8
15	355.60	-45.00	-2.00	50.919	16.004	9.233	281.6	646.9	439.5	421.2

16	355.60	-40.00	-2.00	51.623	18.700	10.817	281.6	644.1	449.5	428.0
17	355.60	-35.00	-2.00	51.606	20.539	11.939	281.7	647.0	458.9	435.1
18	355.60	-30.00	-2.00	51.307	21.269	12.240	281.6	648.5	463.7	438.9
19	355.60	-25.00	-2.00	51.161	20.348	11.814	281.6	646.5	460.5	436.8
20	355.60	-20.00	-2.00	51.377	18.295	10.584	281.7	645.7	453.1	431.9
21	355.60	-15.00	-2.00	51.631	15.761	9.106	281.7	648.2	447.3	429.0
22	355.60	-10.00	-2.00	51.796	13.395	7.810	281.6	648.7	437.2	421.7
23	355.60	-5.00	-2.00	51.258	11.969	6.916	281.7	650.3	433.2	419.4
24	355.60	0.00	-2.00	50.989	11.627	6.747	281.7	650.9	432.2	418.8
25	355.60	5.00	-2.00	51.403	12.647	7.363	281.7	651.1	436.0	421.4
26	355.60	10.00	-2.00	51.528	14.712	8.461	281.7	650.6	445.1	428.0
27	355.60	15.00	-2.00	51.557	17.677	10.128	281.7	650.4	456.3	435.6
28	355.60	20.00	-2.00	50.851	20.298	11.730	281.7	652.1	462.8	439.0
29	355.60	25.00	-2.00	50.934	21.865	12.706	281.7	652.9	469.1	443.4
30	355.60	30.00	-2.00	51.605	21.471	12.408	281.6	650.9	464.8	439.7
31	355.60	35.00	-2.00	51.473	18.945	10.994	281.6	649.9	454.6	432.6
32	355.60	40.00	-2.00	51.335	15.578	9.054	281.6	650.8	441.9	424.0
33	355.60	45.00	-2.00	50.823	12.164	7.054	281.7	651.1	426.3	412.5
34	355.60	50.00	-2.00	51.549	9.751	5.786	281.7	648.0	410.3	399.5
35	355.60	55.00	-2.00	51.817	7.626	4.461	281.7	646.5	392.8	384.6
36	355.60	60.00	-2.00	51.550	6.112	3.545	281.7	646.4	381.5	375.0
37	355.60	65.00	-2.00	51.068	4.861	2.777	281.7	647.9	368.6	363.6
38	355.60	70.00	-2.00	51.304	3.574	1.925	281.7	646.8	356.0	352.4
39	355.60	75.00	-2.00	51.611	2.739	1.637	281.7	645.7	349.2	346.5
40	355.60	80.00	-2.00	51.553	1.761	1.098	281.7	644.9	339.2	337.5
41	355.60	85.00	-2.00	51.023	1.260	0.704	281.7	649.4	330.7	329.5
42	355.60	90.00	-2.00	51.270	0.672	0.397	281.6	650.9	321.8	321.2
43	355.60	95.00	-2.00	51.818	0.491	0.307	281.6	649.4	316.8	316.4
44	355.60	100.00	-2.00	51.560	0.281	0.147	281.6	649.0	310.4	310.1
45	355.60	105.00	-2.00	51.290	0.092	0.044	281.6	649.6	305.2	305.1
46	355.60	110.00	-2.00	50.830	0.020	0.028	281.6	650.8	299.4	299.4

File : TAB352T 1-MAR-89
1-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 650 K
DRPTAB, PLTTAB
I-B

C1 : X/D = 7
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.442 kPa

Mean gauged plenum pressure : 51.276 kPa
RMS gauged plenum pressure : 0.341 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	355.60	0.00	-60.00	50.786	0.032	0.027	281.6	648.7	309.5	309.5
3	355.60	0.00	-58.00	51.331	0.064	0.044	281.6	646.3	309.4	309.3
4	355.60	0.00	-56.00	51.515	0.157	0.109	281.6	647.9	313.8	313.7
5	355.60	0.00	-54.00	51.202	0.257	0.175	281.7	646.4	317.4	317.2
6	355.60	0.00	-52.00	50.895	0.359	0.204	281.6	646.5	321.7	321.4
7	355.60	0.00	-50.00	51.495	0.521	0.335	281.7	645.0	325.2	324.7
8	355.60	0.00	-48.00	51.644	0.698	0.417	281.7	643.3	330.4	329.7
9	355.60	0.00	-46.00	51.258	0.968	0.554	281.6	644.0	334.9	334.0
10	355.60	0.00	-44.00	51.185	1.258	0.750	281.6	648.8	339.6	338.4
11	355.60	0.00	-42.00	51.088	1.571	0.910	281.6	650.6	345.0	343.4
12	355.60	0.00	-40.00	51.312	1.825	1.103	281.7	648.2	350.5	348.7
13	355.60	0.00	-38.00	51.369	2.238	1.332	281.6	647.4	354.3	352.0
14	355.60	0.00	-36.00	51.090	2.622	1.566	281.7	648.1	360.7	358.0
15	355.60	0.00	-34.00	51.081	3.087	1.821	281.7	648.0	365.0	361.8

16	355.60	0.00	-32.00	51.515	3.651	2.125	281.7	646.5	372.5	368.7
17	355.60	0.00	-30.00	51.202	4.306	2.507	281.6	644.4	377.2	372.6
18	355.60	0.00	-28.00	50.929	4.818	2.782	281.7	645.1	381.8	376.7
19	355.60	0.00	-26.00	50.878	5.545	3.198	281.7	645.8	386.0	380.0
20	355.60	0.00	-24.00	51.568	6.139	3.560	281.7	642.8	393.3	386.6
21	355.60	0.00	-22.00	51.449	6.779	3.964	281.7	642.0	398.6	391.1
22	355.60	0.00	-20.00	51.204	7.491	4.385	281.7	648.0	404.9	396.6
23	355.60	0.00	-18.00	51.013	8.204	4.741	281.7	650.1	411.6	402.4
24	355.60	0.00	-16.00	51.739	8.930	5.214	281.7	649.8	414.3	404.2
25	355.60	0.00	-14.00	51.560	9.599	5.545	281.7	648.8	419.9	409.0
26	355.60	0.00	-12.00	51.614	10.182	5.949	281.7	646.9	422.4	410.8
27	355.60	0.00	-10.00	50.986	10.458	6.078	281.7	647.4	424.0	412.1
28	355.60	0.00	-8.00	51.247	10.976	6.382	281.7	646.9	426.0	413.5
29	355.60	0.00	-6.00	51.527	11.534	6.713	281.6	644.8	428.0	414.8
30	355.60	0.00	-4.00	51.604	11.628	6.757	281.7	643.4	429.4	416.1
31	355.60	0.00	-2.00	51.027	11.635	6.743	281.7	645.1	430.5	417.1
32	355.60	0.00	0.00	51.419	11.582	6.736	281.7	647.1	430.7	417.4
33	355.60	0.00	2.00	51.517	11.628	6.738	281.7	648.5	430.7	417.3
34	355.60	0.00	4.00	51.408	11.173	6.474	281.7	649.0	428.5	415.7
35	355.60	0.00	6.00	50.655	10.798	6.254	281.7	651.0	426.3	413.9
36	355.60	0.00	8.00	50.902	10.131	5.877	281.7	651.0	424.0	412.4
37	355.60	0.00	10.00	51.896	9.744	5.667	281.8	647.9	420.3	409.2

File : TAB333T 24-FEB-89
24-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 618 K
DRPTAB, PLTTAB
I-B

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.815 kPa

Mean gauged plenum pressure : 51.384 kPa
RMS gauged plenum pressure : 0.419 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.110	0.485	0.327	268.0	616.8	300.4	300.0
3	457.20	-105.00	0.00	51.136	0.759	0.524	268.1	617.3	304.8	304.1
4	457.20	-100.00	0.00	51.521	1.160	0.658	268.3	616.6	309.1	308.1
5	457.20	-95.00	0.00	51.597	1.674	0.905	268.4	616.0	315.2	313.7
6	457.20	-90.00	0.00	51.216	2.159	1.261	268.3	615.9	324.7	322.7
7	457.20	-85.00	0.00	51.377	2.769	1.676	268.4	615.2	329.1	326.5
8	457.20	-80.00	0.00	51.397	3.662	2.096	268.5	616.8	336.1	332.6
9	457.20	-75.00	0.00	51.817	4.653	2.702	268.4	615.6	344.4	339.9
10	457.20	-70.00	0.00	51.599	5.651	3.223	268.5	616.6	355.0	349.4
11	457.20	-65.00	0.00	51.020	6.763	3.932	268.3	616.8	361.3	354.6
12	457.20	-60.00	0.00	50.558	7.951	4.625	268.3	618.6	372.6	364.5
13	457.20	-55.00	0.00	51.539	9.092	5.368	268.4	617.1	377.6	368.3
14	457.20	-50.00	0.00	51.831	10.741	6.251	268.2	615.8	385.8	374.7
15	457.20	-45.00	0.00	52.076	11.990	6.940	268.5	613.8	391.9	379.4

16	457.20	-40.00	0.00	51.358	12.662	7.425	268.6	614.2	396.1	382.8
17	457.20	-35.00	0.00	51.115	13.239	7.661	268.8	615.2	400.0	386.0
18	457.20	-30.00	0.00	51.445	13.345	7.826	268.8	613.3	400.4	386.3
19	457.20	-25.00	0.00	51.845	13.033	7.632	268.9	611.6	399.1	385.3
20	457.20	-20.00	0.00	51.152	12.153	7.059	269.2	610.4	395.6	382.8
21	457.20	-15.00	0.00	50.574	10.944	6.436	269.2	611.1	393.2	381.6
22	457.20	-10.00	0.00	51.774	10.454	6.074	269.0	607.6	388.7	377.8
23	457.20	-5.00	0.00	51.878	9.828	5.707	268.7	603.4	386.3	376.0
24	457.20	0.00	0.00	51.936	9.640	5.620	268.8	602.8	385.4	375.3
25	457.20	5.00	0.00	50.907	9.823	5.789	268.5	613.0	391.0	380.6
26	457.20	10.00	0.00	50.987	10.225	6.003	268.5	615.6	392.3	381.5
27	457.20	15.00	0.00	51.320	11.427	6.589	268.8	614.4	395.9	383.8
28	457.20	20.00	0.00	51.686	12.867	7.410	269.0	614.9	401.8	388.1

File : TAB334T 24-FEB-89
24-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 618 K
DRPTAB, PLTTAB
I-B

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.815 kPa

Mean gauged plenum pressure : 51.270 kPa
RMS gauged plenum pressure : 0.379 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.627	0.271	0.167	269.1	614.3	304.3	304.1
3	457.20	0.00	-58.00	50.955	0.318	0.217	269.2	614.9	306.6	306.3
4	457.20	0.00	-56.00	51.214	0.467	0.256	269.2	613.8	308.5	308.1
5	457.20	0.00	-54.00	51.610	0.567	0.361	269.4	612.0	312.1	311.6
6	457.20	0.00	-52.00	51.536	0.799	0.454	269.6	616.1	316.8	316.1
7	457.20	0.00	-50.00	51.451	0.984	0.572	269.6	616.6	320.7	319.8
8	457.20	0.00	-48.00	50.722	1.136	0.675	269.4	618.4	321.5	320.5
9	457.20	0.00	-46.00	50.841	1.265	0.703	269.3	618.2	325.3	324.1
10	457.20	0.00	-44.00	51.212	1.472	0.844	269.2	616.5	327.9	326.5
11	457.20	0.00	-42.00	51.339	1.616	0.951	269.2	614.2	329.8	328.3
12	457.20	0.00	-40.00	50.771	2.005	1.135	269.5	615.5	335.4	333.5
13	457.20	0.00	-38.00	50.934	2.241	1.314	269.8	615.2	337.7	335.5
14	457.20	0.00	-36.00	51.164	2.525	1.535	269.8	613.7	339.5	337.1
15	457.20	0.00	-34.00	51.547	2.938	1.689	269.9	612.9	343.6	340.7

16	457.20	0.00	-32.00	51.322	3.204	1.911	270.1	612.5	347.7	344.6
17	457.20	0.00	-30.00	50.781	3.518	2.075	269.9	616.4	351.2	347.7
18	457.20	0.00	-28.00	51.068	4.001	2.321	269.9	616.6	356.0	352.0
19	457.20	0.00	-26.00	51.417	4.566	2.757	270.0	614.4	359.9	355.3
20	457.20	0.00	-24.00	51.669	4.902	2.856	270.0	612.1	360.5	355.6
21	457.20	0.00	-22.00	51.803	5.668	3.240	270.2	610.8	367.5	361.7
22	457.20	0.00	-20.00	51.092	5.835	3.425	270.1	617.9	369.6	363.6
23	457.20	0.00	-18.00	50.887	6.509	3.715	270.3	621.1	373.2	366.5
24	457.20	0.00	-16.00	50.994	6.964	3.912	270.0	619.0	376.2	369.0
25	457.20	0.00	-14.00	51.191	7.369	4.190	270.1	617.1	379.2	371.5
26	457.20	0.00	-12.00	51.361	8.016	4.581	270.0	615.2	381.0	372.6
27	457.20	0.00	-10.00	50.662	8.366	4.797	269.7	615.5	385.4	376.6
28	457.20	0.00	-8.00	51.023	8.545	4.948	269.8	614.7	383.9	375.0
29	457.20	0.00	-6.00	51.315	8.983	5.136	270.1	611.4	385.5	376.1
30	457.20	0.00	-4.00	51.813	9.362	5.333	270.1	612.4	388.2	378.3
31	457.20	0.00	-2.00	51.707	9.470	5.424	270.1	615.2	390.1	380.1
32	457.20	0.00	0.00	51.296	9.621	5.535	270.3	615.5	391.7	381.5
33	457.20	0.00	2.00	50.741	9.587	5.502	270.5	617.0	391.8	381.6
34	457.20	0.00	4.00	51.234	9.520	5.550	270.4	614.6	391.1	381.0
35	457.20	0.00	6.00	51.706	9.570	5.574	270.1	616.2	391.1	381.0
36	457.20	0.00	8.00	51.981	9.488	5.483	269.9	615.2	389.8	379.8
37	457.20	0.00	10.00	51.669	9.098	5.268	270.0	614.0	388.8	379.2

File : TAB347T 28-FEB-89
28-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 662 K
DRPTAB, PLTTAB, -14 DEG
I-B

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.596 kPa

Mean gauged plenum pressure : 50.997 kPa
RMS gauged plenum pressure : 0.267 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.238	0.236	0.172	287.9	662.8	317.4	317.2
3	457.20	-105.00	0.00	51.365	0.427	0.276	287.8	663.0	320.6	320.2
4	457.20	-100.00	0.00	50.894	0.843	0.490	287.9	662.1	328.9	328.1
5	457.20	-95.00	0.00	51.375	1.031	0.630	287.9	661.5	332.6	331.6
6	457.20	-90.00	0.00	51.215	1.333	0.835	288.0	661.8	338.2	336.9
7	457.20	-85.00	0.00	50.710	2.014	1.187	288.0	662.4	348.4	346.4
8	457.20	-80.00	0.00	51.039	2.720	1.566	288.0	662.6	351.1	348.4
9	457.20	-75.00	0.00	51.029	3.401	2.157	288.2	661.7	359.1	355.6
10	457.20	-70.00	0.00	51.174	4.456	2.721	287.9	662.5	372.9	368.2
11	457.20	-65.00	0.00	50.779	5.672	3.240	288.0	662.4	381.5	375.4
12	457.20	-60.00	0.00	50.745	6.725	3.995	287.9	662.4	390.4	383.1
13	457.20	-55.00	0.00	51.066	7.658	4.552	288.0	661.5	398.6	390.2
14	457.20	-50.00	0.00	51.276	9.104	5.336	288.1	661.2	407.5	397.3
15	457.20	-45.00	0.00	51.137	10.340	5.982	288.1	660.8	414.3	402.7

16	457.20	-40.00	0.00	50.865	11.357	6.607	288.2	661.4	421.0	408.1
17	457.20	-35.00	0.00	50.707	12.474	7.218	288.2	662.0	429.0	414.7
18	457.20	-30.00	0.00	51.074	12.783	7.407	288.3	659.5	428.3	413.7
19	457.20	-25.00	0.00	50.678	12.619	7.319	288.4	658.6	428.6	414.1
20	457.20	-20.00	0.00	50.769	11.878	6.875	288.3	659.1	426.9	413.3
21	457.20	-15.00	0.00	50.920	11.256	6.491	288.3	660.3	424.6	411.7
22	457.20	-10.00	0.00	51.156	10.408	6.041	288.6	661.0	421.5	409.6
23	457.20	-5.00	0.00	51.245	9.804	5.765	288.5	661.5	419.0	407.8
24	457.20	0.00	0.00	50.830	9.464	5.566	288.5	662.0	419.4	408.6
25	457.20	5.00	0.00	50.650	9.753	5.677	289.2	662.0	420.3	409.1
26	457.20	10.00	0.00	51.137	10.365	6.034	288.9	660.5	421.5	409.6
27	457.20	15.00	0.00	51.273	11.457	6.632	289.2	658.0	425.7	412.5
28	457.20	20.00	0.00	50.711	12.220	7.053	289.0	658.2	428.7	414.6

File : TAB354T 2-MAR-89
2-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 655 K
DRPTAB, PLTTAB
I-B

C1 : X/D = 13
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.799 kPa

Mean gauged plenum pressure : 51.152 kPa
RMS gauged plenum pressure : 0.377 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	-160.00	0.00	50.792	0.014	0.012	285.1	657.6	301.0	301.0
3	660.40	-152.00	0.00	51.356	0.037	0.016	285.2	653.1	300.1	300.1
4	660.40	-144.00	0.00	51.232	0.088	0.057	285.2	651.2	304.1	304.0
5	660.40	-136.00	0.00	51.399	0.156	0.100	285.1	650.9	309.7	309.6
6	660.40	-128.00	0.00	50.879	0.373	0.206	285.1	653.2	314.7	314.4
7	660.40	-120.00	0.00	51.210	0.639	0.382	285.1	654.4	322.2	321.6
8	660.40	-112.00	0.00	51.353	1.007	0.610	285.1	652.3	327.0	326.0
9	660.40	-104.00	0.00	51.351	1.457	0.868	285.1	650.8	332.7	331.3
10	660.40	-96.00	0.00	50.963	2.071	1.222	285.1	651.7	339.3	337.3
11	660.40	-88.00	0.00	51.152	2.752	1.628	285.1	650.2	347.2	344.5
12	660.40	-80.00	0.00	50.962	3.639	2.068	285.1	651.7	356.0	352.3
13	660.40	-72.00	0.00	51.207	4.486	2.600	285.1	655.0	361.3	356.7
14	660.40	-64.00	0.00	51.458	5.173	3.087	285.1	654.6	368.8	363.4
15	660.40	-56.00	0.00	50.773	5.854	3.380	285.0	655.0	374.6	368.5

16	660.40	-48.00	0.00	50.559	6.136	3.627	285.0	656.9	376.2	369.7
17	660.40	-40.00	0.00	51.493	6.467	3.738	285.0	654.8	379.6	372.8
18	660.40	-32.00	0.00	51.755	6.382	3.771	285.1	653.5	379.7	372.9
19	660.40	-24.00	0.00	51.996	6.337	3.699	285.0	651.6	379.1	372.4
20	660.40	-16.00	0.00	51.329	5.961	3.459	285.0	652.4	378.6	372.3
21	660.40	-8.00	0.00	50.990	5.747	3.326	285.1	655.0	379.5	373.4
22	660.40	0.00	0.00	51.534	5.745	3.377	285.1	652.9	378.6	372.5
23	660.40	8.00	0.00	51.207	5.831	3.399	285.0	651.5	378.5	372.3
24	660.40	16.00	0.00	50.686	6.119	3.516	285.1	651.2	379.7	373.2
25	660.40	24.00	0.00	50.435	6.341	3.730	285.1	651.2	380.8	374.1
26	660.40	32.00	0.00	50.978	6.686	3.846	285.1	650.4	381.1	374.0
27	660.40	40.00	0.00	51.468	6.873	4.002	285.1	647.5	380.6	373.3
28	660.40	48.00	0.00	51.301	6.563	3.782	285.1	648.1	378.0	371.1
29	660.40	56.00	0.00	51.046	5.955	3.459	285.1	653.2	374.2	368.0
30	660.40	64.00	0.00	50.996	5.338	3.071	285.1	655.2	371.0	365.4
31	660.40	72.00	0.00	51.435	4.417	2.529	285.0	653.9	364.4	359.8
32	660.40	80.00	0.00	51.393	3.495	1.977	285.1	653.4	356.8	353.3
33	660.40	88.00	0.00	51.033	2.679	1.595	285.1	653.3	351.3	348.6
34	660.40	96.00	0.00	50.865	1.961	1.108	285.0	654.6	342.6	340.7
35	660.40	104.00	0.00	50.924	1.160	0.742	285.0	653.5	333.6	332.5
36	660.40	112.00	0.00	51.219	0.883	0.478	285.0	653.3	328.7	327.9
37	660.40	120.00	0.00	51.286	0.587	0.347	285.0	652.2	323.7	323.1
38	660.40	128.00	0.00	50.947	0.370	0.205	285.0	653.4	317.0	316.7
39	660.40	136.00	0.00	50.726	0.129	0.095	285.0	655.6	309.4	309.3
40	660.40	144.00	0.00	51.558	0.087	0.073	285.0	652.5	305.7	305.6
41	660.40	152.00	0.00	51.284	0.019	0.027	285.0	652.6	301.2	301.2
42	660.40	160.00	0.00	51.300	0.012	0.016	285.0	652.0	297.2	297.2

File : TAB353T 2-MAR-89
2-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 655 K
DRPTAB, PLTTAB
I-B

C1 : X/D = 13
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.205 kPa

Mean gauged plenum pressure : 51.139 kPa
RMS gauged plenum pressure : 0.257 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	0.00	-120.00	51.072	0.012	0.011	285.7	660.0	300.6	300.6
3	660.40	0.00	-116.00	51.372	0.013	0.011	285.5	659.1	298.2	298.2
4	660.40	0.00	-112.00	51.466	0.013	0.011	285.5	662.1	299.5	299.5
5	660.40	0.00	-108.00	51.267	0.017	0.018	285.4	662.8	302.4	302.4
6	660.40	0.00	-104.00	51.182	0.028	0.012	285.3	662.3	304.4	304.4
7	660.40	0.00	-100.00	50.779	0.064	0.024	285.3	662.4	308.3	308.2
8	660.40	0.00	-96.00	51.409	0.074	0.038	285.3	661.5	311.6	311.5
9	660.40	0.00	-92.00	51.384	0.134	0.092	285.3	660.1	313.7	313.6
10	660.40	0.00	-88.00	51.245	0.195	0.120	285.3	658.7	316.8	316.6
11	660.40	0.00	-84.00	50.966	0.278	0.159	285.4	658.8	320.6	320.3
12	660.40	0.00	-80.00	50.845	0.381	0.213	285.3	660.7	323.8	323.4
13	660.40	0.00	-76.00	51.302	0.421	0.285	285.3	662.3	327.2	326.8
14	660.40	0.00	-72.00	51.179	0.665	0.379	285.3	661.5	329.7	329.1
15	660.40	0.00	-68.00	51.257	0.821	0.475	285.3	661.8	333.0	332.2

16	660.40	0.00	-64.00	50.900	0.940	0.590	285.2	662.4	337.2	336.3
17	660.40	0.00	-60.00	51.038	1.230	0.679	285.2	662.4	341.0	339.8
18	660.40	0.00	-56.00	51.304	1.504	0.858	285.2	661.9	344.0	342.5
19	660.40	0.00	-52.00	51.160	1.730	0.952	285.2	661.1	348.2	346.5
20	660.40	0.00	-48.00	51.262	2.066	1.187	285.3	660.8	351.4	349.3
21	660.40	0.00	-44.00	50.772	2.445	1.379	285.3	662.5	355.4	352.9
22	660.40	0.00	-40.00	50.886	2.633	1.524	285.2	662.4	358.3	355.6
23	660.40	0.00	-36.00	51.167	3.101	1.771	285.2	660.9	361.7	358.5
24	660.40	0.00	-32.00	51.533	3.508	2.030	285.2	659.9	366.1	362.5
25	660.40	0.00	-28.00	51.274	3.905	2.264	285.2	659.5	367.7	363.6
26	660.40	0.00	-24.00	51.045	4.305	2.466	285.2	659.7	370.6	366.1
27	660.40	0.00	-20.00	51.072	4.734	2.696	285.2	659.7	373.7	368.7
28	660.40	0.00	-16.00	51.184	4.993	2.868	285.3	658.2	375.0	369.8
29	660.40	0.00	-12.00	51.102	5.275	3.090	285.3	658.2	377.1	371.5
30	660.40	0.00	-8.00	51.374	5.534	3.251	285.3	657.0	378.6	372.7
31	660.40	0.00	-4.00	51.080	5.723	3.336	285.3	657.5	378.8	372.8
32	660.40	0.00	0.00	50.646	5.698	3.302	285.3	656.9	379.3	373.3
33	660.40	0.00	4.00	51.032	5.692	3.271	285.4	655.4	378.9	372.9
34	660.40	0.00	8.00	51.308	5.581	3.245	285.4	654.8	377.4	371.5
35	660.40	0.00	12.00	51.060	5.387	3.132	285.4	654.2	376.6	370.9
36	660.40	0.00	16.00	51.200	5.100	2.955	285.4	653.8	375.2	369.8
37	660.40	0.00	20.00	50.549	4.620	2.759	285.4	657.5	374.7	369.8

File : TAB341T 25-FEB-89
25-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 635 K
DRPTAB, PLTTAB
III-B

C1 : X/D = 5
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.815 kPa

Mean gauged plenum pressure : 51.233 kPa
RMS gauged plenum pressure : 0.422 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	51.136	0.115	0.068	275.6	617.7	297.6	297.5
3	254.00	-96.00	0.00	50.867	0.374	0.198	275.7	619.8	301.0	300.7
4	254.00	-92.00	0.00	50.788	0.687	0.380	275.6	621.3	307.0	306.4
5	254.00	-88.00	0.00	51.323	1.302	0.669	275.7	619.7	317.2	316.0
6	254.00	-84.00	0.00	51.333	1.916	1.095	275.8	618.5	322.5	320.7
7	254.00	-80.00	0.00	51.147	2.720	1.582	275.7	620.0	331.7	329.1
8	254.00	-76.00	0.00	51.113	3.717	2.197	275.8	627.4	341.6	338.0
9	254.00	-72.00	0.00	51.810	4.867	2.904	275.8	628.3	354.9	350.1
10	254.00	-68.00	0.00	51.479	6.402	3.760	275.7	628.4	365.6	359.1
11	254.00	-64.00	0.00	51.098	8.067	4.636	276.0	629.4	380.1	371.7
12	254.00	-60.00	0.00	50.649	9.850	5.742	276.0	630.8	393.1	382.6
13	254.00	-56.00	0.00	51.479	12.423	7.221	276.1	629.8	408.0	394.5
14	254.00	-52.00	0.00	51.840	15.248	8.892	276.2	627.5	422.3	405.5
15	254.00	-48.00	0.00	51.091	18.030	10.500	276.2	628.5	438.3	418.0

16	254.00	-44.00	0.00	50.826	21.126	12.266	276.2	628.5	456.5	432.2
17	254.00	-40.00	0.00	51.041	24.482	14.196	276.2	628.6	468.4	440.1
18	254.00	-36.00	0.00	51.498	27.988	16.202	276.3	626.8	484.0	451.2
19	254.00	-32.00	0.00	51.219	31.062	18.017	276.3	626.4	494.4	457.9
20	254.00	-28.00	0.00	50.792	32.958	19.061	276.4	626.9	504.2	465.1
21	254.00	-24.00	0.00	50.616	33.976	19.686	276.4	627.6	508.8	468.3
22	254.00	-20.00	0.00	51.234	33.132	19.217	276.3	625.9	504.6	465.3
23	254.00	-16.00	0.00	51.155	29.382	17.008	276.4	624.9	496.8	461.8
24	254.00	-12.00	0.00	50.801	24.805	14.317	276.4	625.7	482.3	452.9
25	254.00	-8.00	0.00	50.809	21.110	12.238	276.5	627.3	474.1	449.0
26	254.00	-4.00	0.00	51.666	18.747	10.865	276.3	625.3	462.4	440.3
27	254.00	0.00	0.00	51.713	18.571	10.796	276.4	624.0	462.9	441.0
28	254.00	4.00	0.00	51.262	20.193	11.697	276.5	625.1	467.7	443.9
29	254.00	8.00	0.00	50.901	23.957	13.888	276.4	626.9	481.8	453.3
30	254.00	12.00	0.00	51.380	28.893	16.824	276.5	626.3	498.2	463.6
31	254.00	16.00	0.00	51.783	33.948	19.617	276.5	624.3	506.6	466.3
32	254.00	20.00	0.00	51.863	36.338	20.961	276.4	632.1	517.7	474.2
33	254.00	24.00	0.00	51.294	34.716	20.134	276.4	633.8	510.3	469.0
34	254.00	28.00	0.00	51.672	30.932	18.018	276.5	633.7	498.6	461.9
35	254.00	32.00	0.00	52.105	26.059	15.068	276.4	632.2	480.0	449.4
36	254.00	36.00	0.00	51.541	20.645	12.133	276.2	633.7	455.7	432.0
37	254.00	40.00	0.00	50.973	16.674	9.667	276.4	634.6	441.2	422.2
38	254.00	44.00	0.00	51.381	12.980	7.561	276.5	634.4	421.5	407.0
39	254.00	48.00	0.00	51.783	10.447	6.044	276.7	631.5	405.1	393.7
40	254.00	52.00	0.00	51.365	8.413	4.923	276.9	631.3	391.2	382.2
41	254.00	56.00	0.00	51.011	6.976	4.030	277.0	632.7	378.7	371.4
42	254.00	60.00	0.00	50.856	5.484	3.146	277.0	633.2	364.5	358.9
43	254.00	64.00	0.00	51.326	4.318	2.461	277.3	631.3	356.3	352.0
44	254.00	68.00	0.00	51.376	3.307	1.979	277.2	630.2	343.9	340.7
45	254.00	72.00	0.00	50.766	2.506	1.464	277.2	631.6	339.7	337.3
46	254.00	76.00	0.00	50.490	1.670	0.916	277.2	633.0	327.3	325.7
47	254.00	80.00	0.00	51.078	1.095	0.620	277.1	631.5	320.4	319.4
48	254.00	84.00	0.00	51.111	0.692	0.346	277.1	630.0	313.3	312.7
49	254.00	88.00	0.00	50.613	0.347	0.226	277.4	631.5	307.0	306.7
50	254.00	92.00	0.00	50.648	0.130	0.083	277.4	632.1	301.8	301.7
51	254.00	96.00	0.00	51.640	0.013	0.019	277.4	628.3	291.8	291.8
52	254.00	100.00	0.00	52.001	0.012	0.011	277.5	625.8	292.2	292.2

File : TAB342T 25-FEB-89
25-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 625 K
DRPTAB, PLTTAB
III-B

C1 : X/D = 5
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.849 kPa

Mean gauged plenum pressure : 51.202 kPa
RMS gauged plenum pressure : 0.444 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	0.00	-40.00	51.022	2.323	1.424	277.7	626.1	349.4	347.1
3	254.00	0.00	-39.00	52.027	2.603	1.553	277.8	626.4	349.9	347.3
4	254.00	0.00	-38.00	52.120	3.034	1.815	277.9	624.2	354.5	351.5
5	254.00	0.00	-37.00	51.053	3.390	1.989	277.9	626.9	360.2	356.8
6	254.00	0.00	-36.00	50.784	3.872	2.303	278.0	628.9	364.9	360.9
7	254.00	0.00	-35.00	51.022	4.381	2.544	278.0	628.6	368.3	363.8
8	254.00	0.00	-34.00	51.509	4.967	2.992	277.9	626.8	374.7	369.5
9	254.00	0.00	-33.00	51.234	5.632	3.260	277.7	626.9	377.2	371.3
10	254.00	0.00	-32.00	50.794	6.091	3.553	277.8	628.4	381.0	374.6
11	254.00	0.00	-31.00	50.758	6.706	3.900	277.8	628.5	384.6	377.5
12	254.00	0.00	-30.00	51.294	7.515	4.408	277.9	626.6	390.1	382.1
13	254.00	0.00	-29.00	51.048	8.133	4.721	278.1	626.0	393.1	384.4
14	254.00	0.00	-28.00	50.500	8.670	5.156	278.1	627.4	399.1	389.7
15	254.00	0.00	-27.00	50.449	9.546	5.574	278.3	628.9	402.8	392.4

16	254.00	0.00	-26.00	51.428	10.687	6.179	278.1	627.6	407.4	395.7
17	254.00	0.00	-25.00	51.599	11.340	6.543	278.2	626.6	413.2	400.7
18	254.00	0.00	-24.00	51.020	12.236	7.062	278.2	628.1	418.2	404.6
19	254.00	0.00	-23.00	50.959	12.885	7.509	278.2	629.6	422.9	408.5
20	254.00	0.00	-22.00	51.378	13.807	8.068	278.0	627.6	425.8	410.3
21	254.00	0.00	-21.00	51.680	14.805	8.574	278.0	626.4	428.6	412.0
22	254.00	0.00	-20.00	51.088	15.494	9.014	278.2	627.5	434.5	417.0
23	254.00	0.00	-19.00	50.712	16.239	9.438	278.2	627.7	440.4	421.9
24	254.00	0.00	-18.00	51.563	17.185	9.958	278.6	625.3	441.6	422.1
25	254.00	0.00	-17.00	51.007	17.750	10.332	278.4	625.0	445.3	425.0
26	254.00	0.00	-16.00	50.648	18.152	10.571	278.4	626.5	449.4	428.5
27	254.00	0.00	-15.00	50.677	18.847	10.990	278.5	626.1	453.4	431.6
28	254.00	0.00	-14.00	51.244	19.629	11.431	278.5	625.3	453.6	431.0
29	254.00	0.00	-13.00	51.796	20.284	11.755	278.4	623.8	456.9	433.5
30	254.00	0.00	-12.00	51.307	20.361	11.912	278.7	624.0	460.8	437.1
31	254.00	0.00	-11.00	51.299	20.620	11.962	278.6	631.0	468.9	444.6
32	254.00	0.00	-10.00	51.644	20.969	12.144	278.4	632.4	469.5	444.8
33	254.00	0.00	-9.00	52.001	21.163	12.354	278.6	630.4	467.8	442.9
34	254.00	0.00	-8.00	51.600	21.217	12.230	278.9	630.0	469.7	444.7
35	254.00	0.00	-7.00	51.135	20.865	12.160	278.7	630.9	473.5	448.7
36	254.00	0.00	-6.00	51.356	20.701	12.034	278.6	631.2	472.2	447.6
37	254.00	0.00	-5.00	51.769	20.740	12.028	278.5	629.0	471.8	447.2
38	254.00	0.00	-4.00	51.718	20.256	11.696	278.7	627.8	469.7	445.7
39	254.00	0.00	-3.00	51.071	19.785	11.527	278.7	629.3	471.5	447.9
40	254.00	0.00	-2.00	51.107	19.384	11.205	278.3	630.9	470.8	447.7
41	254.00	0.00	-1.00	51.516	18.965	11.040	278.6	629.1	465.8	443.4
42	254.00	0.00	0.00	51.453	18.453	10.765	278.7	627.7	465.4	443.5
43	254.00	0.00	1.00	51.004	17.779	10.311	278.8	629.4	465.2	444.0
44	254.00	0.00	2.00	50.828	17.353	10.041	278.7	630.8	461.0	440.5
45	254.00	0.00	3.00	51.500	16.665	9.733	278.8	628.9	454.6	435.1
46	254.00	0.00	4.00	51.443	16.041	9.248	278.7	627.0	454.2	435.4
47	254.00	0.00	5.00	50.806	15.368	9.060	278.9	626.8	452.5	434.4
48	254.00	0.00	6.00	50.650	14.769	8.553	279.1	628.3	449.4	432.1
49	254.00	0.00	7.00	51.204	14.187	8.278	279.3	627.1	445.7	429.2
50	254.00	0.00	8.00	51.329	13.605	7.898	279.0	625.3	441.1	425.3
51	254.00	0.00	9.00	50.850	12.608	7.299	278.8	625.9	434.6	420.1
52	254.00	0.00	10.00	50.417	12.132	7.110	278.8	627.4	435.1	421.1

File : TAB345T 25-FEB-89
25-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 650 K
DRPTAB, PLTDMN, -14 DEG
III-B

C1 : X/D = 5
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.476 kPa

Mean gauged plenum pressure : 51.410 kPa
RMS gauged plenum pressure : 0.459 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	254.00	-100.00	0.00	52.045	0.013	0.020	284.7	644.0	299.9	299.9
3	254.00	-96.00	0.00	51.422	0.015	0.026	284.9	653.4	298.2	298.2
4	254.00	-92.00	0.00	50.962	0.233	0.138	284.9	657.9	310.8	310.6
5	254.00	-88.00	0.00	51.510	0.492	0.282	284.7	657.9	319.4	318.9
6	254.00	-84.00	0.00	51.986	1.147	0.803	284.7	655.7	328.5	327.4
7	254.00	-80.00	0.00	51.146	1.743	1.137	284.6	656.1	339.0	337.3
8	254.00	-76.00	0.00	50.694	1.947	1.118	284.7	655.3	338.8	336.9
9	254.00	-72.00	0.00	51.528	2.233	1.308	284.9	653.7	348.9	346.7
10	254.00	-68.00	0.00	51.839	3.454	1.876	285.0	651.0	358.0	354.5
11	254.00	-64.00	0.00	51.682	4.189	2.377	285.0	650.9	370.9	366.5
12	254.00	-60.00	0.00	51.173	5.854	3.579	285.1	652.3	386.5	380.2
13	254.00	-56.00	0.00	50.737	7.351	4.287	284.9	654.2	399.1	391.0
14	254.00	-52.00	0.00	51.600	9.489	5.533	284.7	652.1	414.8	404.1
15	254.00	-48.00	0.00	52.387	12.073	6.961	284.8	650.5	430.1	416.3

16	254.00	-44.00	0.00	51.270	14.778	8.560	284.9	652.6	449.7	432.3
17	254.00	-40.00	0.00	50.832	18.094	10.419	284.9	655.8	465.6	444.0
18	254.00	-36.00	0.00	51.132	22.235	12.784	284.8	655.9	484.0	457.1
19	254.00	-32.00	0.00	51.649	26.126	15.226	284.7	654.2	496.8	465.1
20	254.00	-28.00	0.00	51.505	29.608	17.191	284.5	652.5	512.0	475.7
21	254.00	-24.00	0.00	50.810	30.810	17.810	284.6	654.2	518.3	480.3
22	254.00	-20.00	0.00	51.375	30.361	17.536	284.5	653.9	515.8	478.4
23	254.00	-16.00	0.00	51.869	27.574	16.092	284.8	651.2	506.2	472.4
24	254.00	-12.00	0.00	51.288	23.470	13.569	285.0	650.0	494.0	465.3
25	254.00	-8.00	0.00	50.964	19.574	11.415	285.1	650.2	482.4	458.5
26	254.00	-4.00	0.00	51.053	17.992	10.489	285.2	649.0	477.6	455.6
27	254.00	0.00	0.00	51.533	18.442	10.642	284.9	647.1	477.8	455.3
28	254.00	4.00	0.00	51.817	20.759	12.108	284.8	645.6	485.1	459.7
29	254.00	8.00	0.00	51.018	24.401	14.112	284.7	647.6	499.9	469.8
30	254.00	12.00	0.00	50.841	29.222	16.939	284.8	648.0	513.9	477.8
31	254.00	16.00	0.00	51.866	33.593	19.581	284.8	647.2	523.1	481.9
32	254.00	20.00	0.00	51.995	34.966	20.230	284.5	645.5	524.8	482.0

File : TAB336T 24-FEB-89
24-FEB-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 632 K
DRPTAB, PLTTAB
III-B

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.849 kPa

Mean gauged plenum pressure : 51.369 kPa
RMS gauged plenum pressure : 0.428 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.129	0.295	0.160	275.5	630.6	301.7	301.4
3	457.20	-105.00	0.00	51.381	0.558	0.352	275.4	632.3	308.8	308.3
4	457.20	-100.00	0.00	51.753	0.829	0.449	275.1	631.5	313.4	312.7
5	457.20	-95.00	0.00	51.989	1.272	0.716	274.9	629.9	319.5	318.3
6	457.20	-90.00	0.00	51.638	1.578	0.916	275.3	629.5	324.5	323.0
7	457.20	-85.00	0.00	50.926	2.115	1.203	275.4	630.9	330.1	328.1
8	457.20	-80.00	0.00	50.673	2.874	1.678	275.2	632.5	337.2	334.5
9	457.20	-75.00	0.00	51.200	3.830	2.222	275.4	630.0	345.2	341.5
10	457.20	-70.00	0.00	51.480	4.699	2.766	275.3	627.7	352.3	347.7
11	457.20	-65.00	0.00	51.427	5.453	3.165	275.1	625.9	359.0	353.6
12	457.20	-60.00	0.00	50.780	6.484	3.831	275.2	627.2	365.8	359.2
13	457.20	-55.00	0.00	51.065	7.623	4.516	275.3	626.3	374.5	366.7
14	457.20	-50.00	0.00	51.153	8.950	5.224	275.3	624.4	381.1	371.8
15	457.20	-45.00	0.00	51.415	9.939	5.815	275.1	622.6	386.5	376.1

16	457.20	-40.00	0.00	52.081	11.438	6.631	275.0	624.0	396.7	384.6
17	457.20	-35.00	0.00	50.698	11.788	6.846	275.0	639.3	403.7	391.0
18	457.20	-30.00	0.00	50.189	12.417	7.168	275.2	638.3	406.7	393.3
19	457.20	-25.00	0.00	51.653	13.151	7.726	275.2	621.7	405.4	391.3
20	457.20	-20.00	0.00	52.011	13.166	7.665	275.3	626.8	410.2	395.9
21	457.20	-15.00	0.00	51.655	12.935	7.390	275.5	630.4	410.6	396.5
22	457.20	-10.00	0.00	51.068	12.474	7.171	275.4	632.6	410.4	396.8
23	457.20	-5.00	0.00	51.137	12.103	6.978	275.5	633.8	409.2	396.0
24	457.20	0.00	0.00	51.570	11.908	6.935	275.5	631.6	407.9	395.0
25	457.20	5.00	0.00	51.828	12.132	7.032	275.4	629.4	409.6	396.4
26	457.20	10.00	0.00	51.346	12.243	7.104	275.3	629.1	408.8	395.5
27	457.20	15.00	0.00	50.724	12.557	7.275	275.7	632.1	410.5	396.8
28	457.20	20.00	0.00	51.271	12.947	7.579	275.8	630.9	410.4	396.3
29	457.20	25.00	0.00	51.506	13.255	7.629	275.9	628.5	408.9	394.6
30	457.20	30.00	0.00	51.810	13.058	7.588	275.9	626.3	405.9	391.9
31	457.20	35.00	0.00	50.934	11.999	6.969	275.9	626.9	402.8	389.9
32	457.20	40.00	0.00	51.067	11.071	6.383	275.4	627.7	398.5	386.7
33	457.20	45.00	0.00	51.748	9.999	5.785	275.4	626.4	391.2	380.6
34	457.20	50.00	0.00	51.597	8.626	5.003	275.6	626.8	382.2	373.2
35	457.20	55.00	0.00	51.557	7.195	4.042	275.6	626.4	374.1	366.7
36	457.20	60.00	0.00	50.842	5.613	3.345	275.6	629.2	368.9	363.2
37	457.20	65.00	0.00	51.108	4.749	2.707	275.6	629.1	358.0	353.2
38	457.20	70.00	0.00	51.507	4.008	2.243	275.7	627.0	351.0	347.0
39	457.20	75.00	0.00	51.820	3.234	1.848	275.7	625.3	341.7	338.6
40	457.20	80.00	0.00	51.444	2.199	1.314	275.4	625.3	334.7	332.6
41	457.20	85.00	0.00	51.123	1.715	1.016	275.5	633.6	328.5	326.9
42	457.20	90.00	0.00	51.778	1.222	0.726	275.3	632.5	322.6	321.5
43	457.20	95.00	0.00	51.923	0.937	0.567	275.6	630.2	317.2	316.3
44	457.20	100.00	0.00	51.714	0.587	0.291	275.3	629.1	310.8	310.3
45	457.20	105.00	0.00	51.127	0.480	0.193	275.5	630.9	308.3	307.9
46	457.20	110.00	0.00	51.617	0.172	0.121	275.8	629.2	301.6	301.5

File : TAB335T 24-FEB-89
24-FEB-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 618 K
DRPTAB, PLTTAB
III-B

C1 : X/D = 9
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.849 kPa

Mean gauged plenum pressure : 49.501 kPa
RMS gauged plenum pressure : 7.993 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	51.107	1.523	0.864	270.7	617.3	327.4	326.0
3	457.20	0.00	-58.00	51.500	1.719	1.026	270.8	616.8	330.0	328.4
4	457.20	0.00	-56.00	51.754	2.008	1.165	270.5	614.5	334.0	332.1
5	457.20	0.00	-54.00	51.682	2.329	1.321	270.9	613.8	336.9	334.7
6	457.20	0.00	-52.00	50.970	2.575	1.490	271.1	617.5	340.0	337.5
7	457.20	0.00	-50.00	51.152	3.013	1.665	270.8	617.2	343.2	340.3
8	457.20	0.00	-48.00	51.405	3.255	1.895	270.9	615.2	346.3	343.1
12	457.20	0.00	-40.00	51.753	5.019	2.892	271.0	610.3	359.8	354.8
13	457.20	0.00	-38.00	51.505	5.407	3.176	271.3	618.4	363.8	358.3
14	457.20	0.00	-36.00	51.861	6.012	3.466	271.2	617.8	366.8	360.7
15	457.20	0.00	-34.00	51.182	6.523	3.740	271.1	619.4	370.3	363.6
16	457.20	0.00	-32.00	50.989	7.070	4.073	270.9	621.5	374.3	367.0
17	457.20	0.00	-30.00	51.258	7.856	4.573	271.0	615.8	377.4	369.3
18	457.20	0.00	-28.00	51.395	8.242	4.815	271.2	613.6	378.4	369.9

19	457.20	0.00	-26.00	52.001	8.908	5.238	271.3	616.5	382.3	373.0
20	457.20	0.00	-24.00	51.433	9.423	5.464	271.4	617.2	386.8	376.9
21	457.20	0.00	-22.00	50.827	9.770	5.640	271.6	620.5	390.0	379.7
22	457.20	0.00	-20.00	51.155	10.453	6.107	271.6	619.8	391.8	380.8
23	457.20	0.00	-18.00	51.211	10.968	6.393	271.8	617.7	393.4	381.8
24	457.20	0.00	-16.00	51.492	11.446	6.641	271.8	615.6	395.1	383.0
25	457.20	0.00	-14.00	51.417	11.748	6.775	272.0	613.9	397.9	385.4
26	457.20	0.00	-12.00	50.588	11.934	6.878	272.0	616.7	398.2	385.5
27	457.20	0.00	-10.00	51.174	12.354	7.118	272.1	614.8	400.0	386.9
28	457.20	0.00	-8.00	51.526	12.616	7.256	271.8	613.9	401.5	388.0
29	457.20	0.00	-6.00	51.498	12.494	7.223	271.8	616.1	402.3	388.9
30	457.20	0.00	-4.00	51.525	12.581	7.296	272.1	615.2	403.1	389.6
31	457.20	0.00	-2.00	50.959	12.348	7.167	272.1	615.8	402.4	389.2
32	457.20	0.00	0.00	51.093	12.149	7.067	272.0	615.0	403.5	390.4
33	457.20	0.00	2.00	51.555	11.935	6.854	272.1	613.3	402.3	389.5
34	457.20	0.00	4.00	51.755	11.453	6.585	272.0	615.9	399.6	387.4
35	457.20	0.00	6.00	51.887	10.854	6.404	271.8	615.1	397.1	385.5
36	457.20	0.00	8.00	50.965	10.439	6.017	271.9	617.1	397.4	386.2
37	457.20	0.00	10.00	50.850	9.846	5.649	272.0	618.2	394.2	383.7

File : TAB348T 28-FEB-89
28-FEB-89

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 665 K
DRPTAB, PLTTAB, -14 DEG
III-B

C1 : X/D = 9
C2 : DIAGONAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.596 kPa

Mean gauged plenum pressure : 50.951 kPa
RMS gauged plenum pressure : 0.334 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	-110.00	0.00	51.456	0.170	0.124	288.7	663.1	318.8	318.6
3	457.20	-105.00	0.00	51.244	0.285	0.176	288.7	662.9	319.3	319.0
4	457.20	-100.00	0.00	50.756	0.853	0.481	288.9	664.2	327.2	326.4
5	457.20	-95.00	0.00	50.629	0.947	0.484	288.7	664.9	331.4	330.5
6	457.20	-90.00	0.00	51.073	1.456	0.874	288.8	663.2	338.8	337.4
7	457.20	-85.00	0.00	51.243	1.672	0.971	288.9	662.7	345.1	343.4
8	457.20	-80.00	0.00	51.046	2.395	1.395	289.1	662.2	350.6	348.2
9	457.20	-75.00	0.00	50.280	3.552	2.079	289.0	663.7	363.6	359.9
10	457.20	-70.00	0.00	51.019	4.122	2.349	288.8	664.5	369.2	364.9
11	457.20	-65.00	0.00	51.350	5.003	2.824	289.1	663.2	376.7	371.4
12	457.20	-60.00	0.00	51.132	5.844	3.380	288.9	663.5	383.0	376.7
13	457.20	-55.00	0.00	50.579	6.953	3.941	289.0	665.7	392.1	384.5
14	457.20	-50.00	0.00	51.017	7.855	4.563	289.0	665.3	400.0	391.3
15	457.20	-45.00	0.00	51.252	9.347	5.514	289.0	664.2	410.6	400.1

16	457.20	-40.00	0.00	51.197	10.520	6.128	288.8	665.2	415.5	403.6
17	457.20	-35.00	0.00	50.497	11.366	6.546	288.7	665.9	423.7	410.7
18	457.20	-30.00	0.00	50.777	11.860	6.889	288.7	665.7	426.6	413.0
19	457.20	-25.00	0.00	51.270	12.328	7.111	288.7	663.8	427.9	413.8
20	457.20	-20.00	0.00	51.039	12.333	7.098	288.8	665.0	429.2	415.0
21	457.20	-15.00	0.00	50.644	12.127	7.001	288.7	666.6	430.8	416.8
22	457.20	-10.00	0.00	50.819	11.973	6.897	288.6	666.8	431.4	417.5
23	457.20	-5.00	0.00	51.178	12.034	6.858	288.9	665.3	432.0	418.0
24	457.20	0.00	0.00	51.036	11.944	6.902	288.7	664.0	428.9	415.1
25	457.20	5.00	0.00	50.526	11.861	6.985	288.9	664.0	430.9	417.2
26	457.20	10.00	0.00	50.860	12.510	7.242	288.8	663.9	433.7	419.2
27	457.20	15.00	0.00	51.308	12.980	7.547	288.8	664.1	434.2	419.2
28	457.20	20.00	0.00	50.960	13.181	7.628	288.8	663.4	432.1	416.9

File : TAB359T 6-MAR-89
6-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 653 K
DRPTAB, PLTTANB
I-C

C1 : X/D = 9
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.189 kPa

Mean gauged plenum pressure : 50.697 kPa
RMS gauged plenum pressure : 0.279 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
1	457.20	0.00	0.00	50.652	4.917	2.865	284.0	653.6	382.2	376.9
2	457.20	-110.00	0.00	50.464	0.407	0.272	283.8	654.0	318.9	318.5
3	457.20	-105.00	0.00	50.529	0.741	0.467	283.8	653.1	323.2	322.5
4	457.20	-100.00	0.00	51.169	1.185	0.729	283.9	650.4	330.6	329.5
5	457.20	-95.00	0.00	50.582	1.761	1.024	283.9	650.8	338.4	336.7
6	457.20	-90.00	0.00	50.560	2.217	1.288	283.7	650.3	345.6	343.4
7	457.20	-85.00	0.00	50.520	3.018	1.740	283.7	650.3	352.6	349.5
8	457.20	-80.00	0.00	50.878	3.696	2.126	283.8	652.9	360.9	357.1
9	457.20	-75.00	0.00	50.856	4.573	2.564	284.2	655.5	368.5	363.7
10	457.20	-70.00	0.00	50.692	5.720	3.370	283.9	656.0	378.1	372.0
11	457.20	-65.00	0.00	50.739	6.190	3.735	283.7	656.7	380.3	373.7
12	457.20	-60.00	0.00	50.828	7.957	4.617	283.8	657.7	394.1	385.4
13	457.20	-55.00	0.00	50.753	9.103	5.295	283.7	656.7	400.3	390.3
14	457.20	-50.00	0.00	51.013	10.338	6.025	283.5	649.9	405.6	394.1

15	457.20	-45.00	0.00	50.700	10.787	6.357	283.4	650.8	409.0	397.0
16	457.20	-40.00	0.00	50.652	10.691	6.232	283.5	654.0	408.4	396.5
17	457.20	-35.00	0.00	50.677	10.320	6.025	283.6	653.6	406.7	395.2
18	457.20	-30.00	0.00	50.829	9.793	5.682	283.7	651.9	406.4	395.5
19	457.20	-25.00	0.00	50.477	8.706	5.097	283.7	652.8	401.9	392.2
20	457.20	-20.00	0.00	50.666	7.483	4.376	283.5	653.0	398.6	390.3
21	457.20	-15.00	0.00	50.470	6.512	3.826	283.5	653.2	393.9	386.7
22	457.20	-10.00	0.00	50.371	5.767	3.394	283.5	653.6	388.9	382.6
23	457.20	-5.00	0.00	51.119	5.222	3.058	283.5	651.2	385.5	379.8
24	457.20	0.00	0.00	50.708	4.986	2.868	283.4	649.4	382.5	377.1
25	457.20	5.00	0.00	50.379	4.914	2.907	283.4	651.0	382.6	377.3
26	457.20	10.00	0.00	50.802	5.212	2.996	283.4	648.4	383.9	378.2
27	457.20	15.00	0.00	50.788	5.904	3.428	283.7	651.2	390.2	383.7
28	457.20	20.00	0.00	51.298	6.665	3.950	283.6	652.0	393.7	386.4
29	457.20	25.00	0.00	50.567	7.710	4.513	283.3	653.8	399.3	390.7
30	457.20	30.00	0.00	50.604	8.899	5.147	283.0	655.2	403.1	393.2
31	457.20	35.00	0.00	50.479	9.509	5.525	282.9	654.7	404.4	393.8
32	457.20	40.00	0.00	50.302	10.254	5.982	283.0	655.2	407.9	396.5
33	457.20	45.00	0.00	50.982	10.542	6.150	283.1	652.9	408.0	396.3
34	457.20	50.00	0.00	50.728	10.210	5.982	283.3	650.8	404.6	393.3
35	457.20	55.00	0.00	50.398	9.465	5.480	283.0	651.8	400.8	390.4
36	457.20	60.00	0.00	50.503	8.289	4.878	283.0	651.4	395.0	385.9
37	457.20	65.00	0.00	50.738	7.213	4.223	283.0	650.7	387.5	379.7
38	457.20	70.00	0.00	51.195	5.732	3.380	282.8	648.2	376.3	370.2
39	457.20	75.00	0.00	50.475	4.577	2.673	282.7	648.8	368.6	363.8
40	457.20	80.00	0.00	50.361	3.832	2.178	282.7	649.2	363.6	359.6
41	457.20	85.00	0.00	50.465	3.011	1.783	282.8	649.3	355.6	352.5
42	457.20	90.00	0.00	50.887	2.293	1.362	282.8	648.1	345.4	343.1
43	457.20	95.00	0.00	50.950	1.627	0.947	282.8	649.3	336.6	335.0
44	457.20	100.00	0.00	50.751	1.256	0.783	282.9	650.0	334.4	333.2
45	457.20	105.00	0.00	50.676	0.736	0.419	283.2	649.9	324.6	323.9
46	457.20	110.00	0.00	50.534	0.467	0.286	282.9	653.4	318.5	318.1

File : TAB360T 6-MAR-89
6-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 651 K
DRPTAB, PLTTAB
I-C

C1 : X/D = 9
C2 : VERTICAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.291 kPa

Mean gauged plenum pressure : 50.760 kPa
RMS gauged plenum pressure : 0.419 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	457.20	0.00	-60.00	50.655	0.841	0.474	282.4	649.5	330.9	330.1
3	457.20	0.00	-58.00	50.985	0.914	0.549	282.4	652.5	332.7	331.8
4	457.20	0.00	-56.00	51.194	1.138	0.652	282.4	649.6	334.9	333.8
5	457.20	0.00	-54.00	50.996	1.274	0.690	282.6	655.0	337.9	336.6
6	457.20	0.00	-52.00	50.611	1.258	0.735	282.4	654.6	339.7	338.5
7	457.20	0.00	-50.00	51.244	1.534	0.890	282.6	650.8	342.9	341.4
8	457.20	0.00	-48.00	50.911	1.656	0.985	282.6	649.6	343.7	342.1
9	457.20	0.00	-46.00	51.357	1.837	1.049	282.6	648.1	346.4	344.6
10	457.20	0.00	-44.00	50.698	2.084	1.222	282.6	648.1	350.3	348.2
11	457.20	0.00	-42.00	50.216	2.169	1.292	282.6	647.8	351.8	349.6
12	457.20	0.00	-40.00	50.358	2.476	1.396	282.6	648.8	355.2	352.7
13	457.20	0.00	-38.00	50.508	2.689	1.578	282.7	655.7	358.3	355.5
14	457.20	0.00	-36.00	51.090	2.879	1.672	282.9	656.7	361.8	358.8
15	457.20	0.00	-34.00	51.090	3.122	1.841	283.0	657.2	364.0	360.7

16	457.20	0.00	-32.00	50.752	3.290	1.909	283.2	654.6	367.2	363.7
17	457.20	0.00	-30.00	51.180	3.540	2.109	283.5	652.5	367.7	364.0
18	457.20	0.00	-28.00	50.962	3.796	2.175	283.3	651.0	369.7	365.7
19	457.20	0.00	-26.00	51.001	3.973	2.363	283.3	650.4	372.5	368.3
20	457.20	0.00	-24.00	51.256	4.140	2.431	283.0	649.5	374.1	369.7
21	457.20	0.00	-22.00	50.728	4.496	2.600	283.1	648.3	376.0	371.2
22	457.20	0.00	-20.00	50.897	4.609	2.707	283.5	651.7	379.9	374.9
23	457.20	0.00	-18.00	50.656	4.762	2.730	283.2	655.8	381.5	376.4
24	457.20	0.00	-16.00	50.758	4.824	2.834	283.1	656.5	381.0	375.8
25	457.20	0.00	-14.00	50.860	4.938	2.897	283.1	656.1	382.8	377.5
26	457.20	0.00	-12.00	50.925	5.033	2.928	282.9	655.4	382.5	377.1
27	457.20	0.00	-10.00	50.498	5.040	2.900	282.9	655.5	384.2	378.7
28	457.20	0.00	-8.00	50.523	5.089	2.926	282.9	654.8	382.4	376.9
29	457.20	0.00	-6.00	50.676	5.118	2.977	283.0	653.9	383.6	378.1
30	457.20	0.00	-4.00	50.868	5.139	2.966	282.9	651.4	382.9	377.3
31	457.20	0.00	-2.00	50.436	4.943	2.880	282.8	651.2	381.6	376.3
32	457.20	0.00	0.00	50.275	4.909	2.841	282.7	651.1	381.1	375.8
33	457.20	0.00	2.00	50.480	4.801	2.760	282.8	650.4	379.6	374.4
34	457.20	0.00	4.00	50.868	4.705	2.741	282.7	649.8	378.8	373.8
35	457.20	0.00	6.00	50.997	4.423	2.577	282.6	650.2	377.7	373.0
36	457.20	0.00	8.00	49.865	4.313	2.503	282.7	652.5	377.4	372.8
37	457.20	0.00	10.00	50.257	4.076	2.353	282.7	652.3	374.6	370.3

File : TAB357T 3-MAR-89
3-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 655 K
DRPTAB, PLTTAB
I-C

C1 : X/D = 13
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.528 kPa

Mean gauged plenum pressure : 47.539 kPa
RMS gauged plenum pressure : 11.885 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
4	660.40	-144.00	0.00	51.400	0.124	0.094	283.7	650.4	306.1	306.0
5	660.40	-136.00	0.00	50.585	0.346	0.214	283.6	649.8	312.6	312.3
6	660.40	-128.00	0.00	50.442	0.603	0.350	283.6	653.1	318.5	317.9
7	660.40	-120.00	0.00	50.652	0.870	0.528	283.6	654.6	324.4	323.6
8	660.40	-112.00	0.00	50.595	1.370	0.737	283.6	654.8	330.9	329.6
9	660.40	-104.00	0.00	51.078	1.908	1.138	283.6	655.7	338.7	336.8
10	660.40	-96.00	0.00	51.129	2.475	1.498	283.6	657.8	345.0	342.5
11	660.40	-88.00	0.00	50.747	3.126	1.875	283.6	659.1	350.9	347.8
12	660.40	-80.00	0.00	50.897	3.999	2.327	283.6	658.5	357.8	353.7
13	660.40	-72.00	0.00	50.428	4.581	2.667	283.7	659.2	363.6	358.9
14	660.40	-64.00	0.00	51.197	5.205	3.041	283.7	656.9	367.7	362.3
15	660.40	-56.00	0.00	51.253	5.663	3.305	283.7	653.9	370.1	364.2
16	660.40	-48.00	0.00	50.520	5.690	3.403	283.7	654.9	372.2	366.2
17	660.40	-40.00	0.00	50.518	5.506	3.220	283.7	654.9	371.7	365.9

18	660.40	-32.00	0.00	50.623	5.163	3.035	283.7	654.2	371.2	365.8
19	660.40	-24.00	0.00	50.952	4.720	2.819	283.6	655.1	367.7	362.8
20	660.40	-16.00	0.00	51.282	4.386	2.571	283.6	652.8	366.6	362.0
21	660.40	-8.00	0.00	50.832	4.027	2.355	283.5	656.8	366.2	362.0
22	660.40	0.00	0.00	50.646	3.916	2.263	283.6	659.0	364.9	360.8
23	660.40	8.00	0.00	50.656	4.001	2.334	283.6	659.3	365.0	360.8
24	660.40	16.00	0.00	50.667	4.263	2.501	283.5	658.3	366.4	362.0
25	660.40	24.00	0.00	51.419	4.625	2.714	283.6	655.1	368.8	364.0
26	660.40	32.00	0.00	50.600	5.019	2.952	283.6	655.0	371.6	366.3
27	660.40	40.00	0.00	50.443	5.401	3.174	283.7	655.8	371.6	365.9
28	660.40	48.00	0.00	50.572	5.527	3.230	283.7	655.9	372.7	366.9
29	660.40	56.00	0.00	50.363	5.484	3.218	283.8	655.9	370.6	364.9
30	660.40	64.00	0.00	50.933	5.036	2.893	283.8	654.2	365.6	360.4
31	660.40	72.00	0.00	51.202	4.568	2.686	283.8	652.0	364.1	359.4
32	660.40	80.00	0.00	50.773	3.777	2.121	283.8	652.2	358.5	354.6
33	660.40	88.00	0.00	50.532	2.953	1.694	283.8	654.3	351.7	348.7
34	660.40	96.00	0.00	50.428	2.164	1.286	283.8	656.4	344.8	342.7
35	660.40	104.00	0.00	51.393	1.706	1.035	283.9	653.9	339.1	337.4
36	660.40	112.00	0.00	51.128	1.091	0.643	283.9	653.4	331.3	330.3
37	660.40	120.00	0.00	50.487	0.780	0.508	283.9	654.3	326.5	325.8
38	660.40	128.00	0.00	50.322	0.590	0.348	284.0	654.6	319.3	318.8
39	660.40	136.00	0.00	50.498	0.271	0.155	283.9	653.7	312.8	312.6
40	660.40	144.00	0.00	51.242	0.143	0.098	283.9	652.0	310.7	310.6
41	660.40	152.00	0.00	50.802	0.065	0.056	284.0	650.7	305.4	305.3
42	660.40	160.00	0.00	50.560	0.016	0.024	284.0	653.9	300.4	300.4

File : TAB358T 3-MAR-89
3-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 655 K
DRPTAB, PLTTAB
I-C

C1 : X/D = 13
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.460 kPa

Mean gauged plenum pressure : 50.747 kPa
RMS gauged plenum pressure : 0.353 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	660.40	0.00	-120.00	50.484	0.013	0.014	284.2	652.1	298.7	298.7
3	660.40	0.00	-116.00	50.924	0.014	0.017	284.2	650.8	295.1	295.1
4	660.40	0.00	-112.00	50.863	0.013	0.019	284.2	650.2	297.2	297.2
5	660.40	0.00	-108.00	50.539	0.028	0.027	284.2	653.6	299.3	299.3
6	660.40	0.00	-104.00	50.680	0.023	0.024	284.1	652.9	301.8	301.8
7	660.40	0.00	-100.00	50.322	0.058	0.042	284.1	652.6	304.4	304.3
8	660.40	0.00	-96.00	51.235	0.068	0.057	284.2	654.6	307.2	307.1
9	660.40	0.00	-92.00	50.711	0.109	0.085	284.3	655.3	309.8	309.7
10	660.40	0.00	-88.00	50.480	0.175	0.113	284.3	655.2	311.9	311.7
11	660.40	0.00	-84.00	50.319	0.259	0.149	284.3	654.7	316.3	316.1
12	660.40	0.00	-80.00	49.896	0.300	0.195	284.3	655.1	317.6	317.3
13	660.40	0.00	-76.00	51.201	0.403	0.241	284.4	651.5	320.5	320.1
14	660.40	0.00	-72.00	51.288	0.475	0.308	284.4	651.4	324.1	323.7
15	660.40	0.00	-68.00	50.800	0.604	0.358	284.4	654.4	326.0	325.4

16	660.40	0.00	-64.00	50.534	0.814	0.452	284.3	655.7	328.9	328.1
17	660.40	0.00	-60.00	50.515	0.937	0.528	284.2	656.0	332.6	331.7
18	660.40	0.00	-56.00	51.272	1.105	0.632	284.3	655.2	334.2	333.1
19	660.40	0.00	-52.00	51.226	1.308	0.775	284.3	651.2	337.8	336.5
20	660.40	0.00	-48.00	50.609	1.506	0.872	284.2	651.7	340.5	339.0
21	660.40	0.00	-44.00	50.558	1.729	0.990	284.1	653.9	344.3	342.6
22	660.40	0.00	-40.00	50.632	2.028	1.212	284.2	653.4	347.3	345.3
23	660.40	0.00	-36.00	51.058	2.245	1.315	284.3	651.0	348.8	346.5
24	660.40	0.00	-32.00	50.831	2.488	1.449	284.3	651.4	352.6	350.1
25	660.40	0.00	-28.00	50.480	2.830	1.637	284.4	651.5	354.6	351.7
26	660.40	0.00	-24.00	50.645	3.034	1.745	284.4	651.0	357.4	354.3
27	660.40	0.00	-20.00	50.472	3.220	1.931	284.4	651.8	358.7	355.4
28	660.40	0.00	-16.00	51.196	3.528	2.037	284.2	650.4	360.9	357.3
29	660.40	0.00	-12.00	50.521	3.639	2.184	284.2	651.9	362.5	358.7
30	660.40	0.00	-8.00	50.699	3.808	2.222	284.3	654.0	364.7	360.7
31	660.40	0.00	-4.00	50.649	3.915	2.262	284.3	653.3	363.9	359.8
32	660.40	0.00	0.00	50.944	3.889	2.300	284.3	652.3	365.0	361.0
33	660.40	0.00	4.00	50.941	3.952	2.297	284.2	650.9	364.3	360.2
34	660.40	0.00	8.00	50.608	3.825	2.204	284.2	652.6	365.3	361.3
35	660.40	0.00	12.00	50.552	3.700	2.184	284.2	653.0	363.1	359.3
36	660.40	0.00	16.00	50.689	3.508	2.028	284.1	652.7	361.8	358.2
37	660.40	0.00	20.00	51.366	3.357	1.952	284.1	654.2	361.6	358.1

CONFIGURATION	X/D_E	T_j/T_o	M_j	HORIZONTAL	VERTICAL	COMMENTS
TWO-INCH ROUND	11	1	0.8	TAB366T	TAB367T	BASELINE
"	15	1	0.8	TAB369T	TAB368T	BASELINE
FOUR-INCH PIPE	1	1	0.2	---	TAB058S	BASELINE
TWO-INCH ROUND	3	1.6	0.8	TAB506T	TAB505S	KIEL PROBE W/ T/C
"	3	1.6	0.8	TAB504S	---	KIEL PROBE W/O T/C
"	3	1	0.6	TAB510S	---	BOUNDARY LAYER PROBE
"	3	1.6	0.8	---	TAB523	KIEL PROBE W/ T/C INVERTED PROFILE FROM ABOVE
"	3	1.6	0.8	---	TAB508S	BOUNDARY LAYER PROBE
"	1	1.6	0.8	TAB513T	---	CENTRO PROBE
"	1	1.6	0.8	TAB515T	---	KIEL PROBE W/ T/C
O-O	1	1	0.8	---	TAB049S	NORMAL NOZZLE
"	1	1	0.8	---	TAB053S	INVERTED NOZZLE & PROFILE
"	1	1	0.8	---	TAB048S	SKEWED PROFILE
TWO-INCH ROUND	9	1	0.8	TAB519S	---	KIEL PROBE W/ T/C
"	9	1	0.8	TAB520S	---	BOUNDARY LAYER PROBE
O-O	1	1	0.8	TAB135T	---	
"	1	1	0.8	TAB136T	---	

Figure 13 Miscellaneous

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File : TAB366T 10-MAR-89
10-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTABC
ROUND

C1 : X/D = 11
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.679 kPa

Mean gauged plenum pressure : 51.587 kPa
RMS gauged plenum pressure : 0.341 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	-160.00	0.00	51.866	0.026	0.044	292.6	283.6	290.0	290.0
3	558.80	-152.00	0.00	51.636	0.015	0.033	292.5	283.6	291.6	291.6
4	558.80	-144.00	0.00	51.772	0.014	0.032	292.4	283.6	292.3	292.3
5	558.80	-136.00	0.00	51.723	0.013	0.029	292.7	283.6	292.2	292.2
6	558.80	-128.00	0.00	51.153	0.012	0.023	292.9	283.6	292.2	292.2
7	558.80	-120.00	0.00	51.699	0.012	0.016	292.9	283.6	292.4	292.4
8	558.80	-112.00	0.00	51.619	0.012	0.019	292.7	283.6	291.8	291.8
9	558.80	-104.00	0.00	51.681	0.011	0.013	292.9	283.6	291.7	291.7
10	558.80	-96.00	0.00	51.699	0.011	0.011	292.9	283.5	291.5	291.5
11	558.80	-88.00	0.00	51.141	0.019	0.052	293.4	283.5	291.4	291.4
12	558.80	-80.00	0.00	51.513	0.214	0.119	293.9	283.5	290.5	290.3
13	558.80	-72.00	0.00	51.819	0.615	0.333	293.9	283.5	289.9	289.4
14	558.80	-64.00	0.00	51.912	1.329	0.689	293.9	283.6	289.0	287.9
15	558.80	-56.00	0.00	51.683	2.331	1.401	293.8	283.6	288.0	286.1

16	558.80	-48.00	0.00	51.472	4.368	2.495	294.0	283.5	287.0	283.5
17	558.80	-40.00	0.00	51.391	7.212	4.177	293.7	283.5	286.5	280.8
18	558.80	-32.00	0.00	51.670	10.454	6.089	293.7	283.6	285.6	277.5
19	558.80	-24.00	0.00	51.856	15.196	8.852	293.6	283.6	285.2	273.7
20	558.80	-16.00	0.00	51.769	20.850	12.043	293.5	283.6	285.0	269.8
21	558.80	-8.00	0.00	51.237	24.828	14.357	293.5	283.5	285.2	267.4
22	558.80	0.00	0.00	51.336	25.727	14.983	293.4	283.5	285.2	266.9
23	558.80	8.00	0.00	51.696	23.797	13.783	293.3	283.5	285.2	268.1
24	558.80	16.00	0.00	51.616	18.899	10.866	293.3	283.5	284.9	271.0
25	558.80	24.00	0.00	51.602	13.745	7.950	293.4	283.5	284.8	274.4
26	558.80	32.00	0.00	51.555	9.379	5.385	293.5	283.5	285.1	277.8
27	558.80	40.00	0.00	51.305	5.990	3.434	293.5	283.5	286.0	281.2
28	558.80	48.00	0.00	51.283	3.664	2.050	293.6	283.5	286.9	283.9
29	558.80	56.00	0.00	51.910	2.113	1.237	293.4	283.5	287.5	285.8
30	558.80	64.00	0.00	52.403	1.145	0.673	293.4	283.5	288.1	287.2
31	558.80	72.00	0.00	51.452	0.537	0.316	293.2	283.5	289.1	288.7
32	558.80	80.00	0.00	51.191	0.226	0.128	293.3	283.5	290.0	289.8
33	558.80	88.00	0.00	51.992	0.034	0.037	293.2	283.5	290.1	290.1
34	558.80	96.00	0.00	51.871	0.013	0.011	293.3	283.5	291.5	291.5
35	558.80	104.00	0.00	51.862	0.013	0.010	293.5	283.5	291.6	291.6
36	558.80	112.00	0.00	50.980	0.012	0.011	293.4	283.5	291.9	291.9
37	558.80	120.00	0.00	51.308	0.013	0.012	293.2	283.5	291.8	291.8
38	558.80	128.00	0.00	51.532	0.013	0.011	293.2	283.6	291.7	291.7
39	558.80	136.00	0.00	51.637	0.013	0.011	293.1	283.5	292.2	292.2
40	558.80	144.00	0.00	51.768	0.013	0.013	293.2	283.6	292.0	292.0
41	558.80	152.00	0.00	51.028	0.013	0.012	293.2	283.6	292.5	292.5
42	558.80	160.00	0.00	51.040	0.013	0.012	293.4	283.5	292.6	292.6

File : TAB367T 10-MAR-89
10-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTABC
ROUND

C1 : X/D = 11
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.578 kPa

Mean gauged plenum pressure : 51.536 kPa
RMS gauged plenum pressure : 0.309 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	558.80	0.00	-160.00	51.358	0.030	0.040	293.5	283.6	292.5	292.5
3	558.80	0.00	-152.00	51.831	0.017	0.024	293.8	283.6	293.0	293.0
4	558.80	0.00	-144.00	51.640	0.014	0.030	294.0	283.5	293.0	293.0
5	558.80	0.00	-136.00	51.617	0.014	0.028	294.2	283.6	292.9	292.9
6	558.80	0.00	-128.00	51.374	0.014	0.035	294.1	283.5	292.6	292.6
7	558.80	0.00	-120.00	51.776	0.013	0.012	294.0	283.6	292.8	292.8
8	558.80	0.00	-112.00	51.721	0.013	0.012	294.1	283.6	292.8	292.8
9	558.80	0.00	-104.00	51.702	0.013	0.012	294.2	283.6	292.6	292.6
10	558.80	0.00	-96.00	51.320	0.014	0.034	294.1	283.6	292.1	292.1
11	558.80	0.00	-88.00	51.368	0.101	0.100	294.1	283.7	291.3	291.2
12	558.80	0.00	-80.00	51.439	0.287	0.223	293.8	283.6	290.0	289.8
13	558.80	0.00	-72.00	51.894	0.826	0.467	293.7	283.6	289.6	288.9
14	558.80	0.00	-64.00	51.712	1.502	0.933	294.0	283.6	289.4	288.2
15	558.80	0.00	-56.00	51.410	2.656	1.601	294.2	283.6	288.8	286.6

16	558.80	0.00	-48.00	51.557	4.710	2.780	294.4	283.6	287.7	283.9
17	558.80	0.00	-40.00	52.034	7.200	4.223	294.9	283.6	286.8	281.1
18	558.80	0.00	-32.00	51.727	10.843	6.315	295.3	283.7	286.2	277.8
19	558.80	0.00	-24.00	51.856	15.784	9.104	295.0	283.6	285.9	274.0
20	558.80	0.00	-16.00	51.336	20.711	12.073	295.0	283.6	285.4	270.2
21	558.80	0.00	-8.00	51.511	24.932	14.537	294.7	283.6	285.5	267.6
22	558.80	0.00	0.00	51.685	25.931	15.043	294.8	283.6	285.7	267.2
23	558.80	0.00	8.00	51.584	23.857	13.856	294.4	283.6	285.4	268.2
24	558.80	0.00	16.00	51.374	19.397	11.417	294.1	283.7	285.6	271.3
25	558.80	0.00	24.00	51.227	14.856	8.632	294.0	283.6	285.5	274.3
26	558.80	0.00	32.00	51.553	11.097	6.350	294.1	283.7	286.0	277.4
27	558.80	0.00	40.00	51.428	7.630	4.401	294.1	283.7	286.5	280.5
28	558.80	0.00	48.00	51.728	4.952	2.789	294.0	283.7	287.5	283.5
29	558.80	0.00	56.00	51.400	3.157	1.769	294.0	283.7	288.2	285.6
30	558.80	0.00	64.00	51.352	1.867	1.066	294.2	283.7	289.1	287.6
31	558.80	0.00	72.00	51.648	0.836	0.490	294.3	283.6	290.1	289.4
32	558.80	0.00	80.00	51.883	0.389	0.249	294.4	283.7	290.9	290.6
33	558.80	0.00	88.00	51.323	0.143	0.118	294.6	283.7	291.0	290.9
34	558.80	0.00	96.00	51.265	0.039	0.060	294.4	283.7	291.4	291.4
35	558.80	0.00	104.00	51.918	0.013	0.017	294.4	283.7	291.9	291.9
36	558.80	0.00	112.00	51.604	0.013	0.024	294.3	283.7	292.2	292.2
37	558.80	0.00	120.00	51.882	0.013	0.013	294.3	283.7	293.0	293.0
38	558.80	0.00	128.00	51.439	0.014	0.018	294.3	283.6	293.9	293.9
39	558.80	0.00	136.00	51.216	0.014	0.019	294.2	283.7	293.3	293.3
40	558.80	0.00	144.00	51.718	0.013	0.019	294.2	283.6	292.7	292.7
41	558.80	0.00	152.00	51.475	0.014	0.027	293.9	283.6	292.5	292.5
42	558.80	0.00	160.00	51.398	0.014	0.021	293.9	283.6	292.6	292.6

File : TAB369T 13-MAR-89
13-MAR-89

Reduced experimental data file

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTABC
ROUND

C1 : X/D = 15
C2 : HORIZONTAL
C3 : ZERO
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.596 kPa

Mean gauged plenum pressure : 50.979 kPa
RMS gauged plenum pressure : 0.290 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	-160.00	0.00	50.596	0.014	0.012	294.5	287.8	293.0	293.0
3	762.00	-152.00	0.00	51.024	0.013	0.012	294.7	287.1	293.5	293.5
4	762.00	-144.00	0.00	51.165	0.012	0.011	294.7	286.5	293.2	293.2
5	762.00	-136.00	0.00	51.097	0.011	0.011	294.8	286.1	293.4	293.4
6	762.00	-128.00	0.00	50.575	0.010	0.010	294.8	285.7	293.4	293.4
7	762.00	-120.00	0.00	50.789	0.010	0.010	294.9	285.5	292.8	292.8
8	762.00	-112.00	0.00	51.267	0.026	0.025	294.6	285.3	291.8	291.8
9	762.00	-104.00	0.00	51.151	0.054	0.035	294.4	285.1	292.4	292.4
10	762.00	-96.00	0.00	51.349	0.226	0.116	294.0	285.0	291.4	291.2
11	762.00	-88.00	0.00	50.778	0.493	0.288	293.6	284.9	290.7	290.3
12	762.00	-80.00	0.00	50.671	0.909	0.525	293.4	284.9	290.1	289.3
13	762.00	-72.00	0.00	50.928	1.366	0.797	293.3	284.8	289.9	288.7
14	762.00	-64.00	0.00	50.968	2.175	1.318	293.4	284.8	289.5	287.7
15	762.00	-56.00	0.00	51.232	3.317	1.853	293.5	284.8	289.3	286.5

16	762.00	-48.00	0.00	50.549	4.715	2.661	293.6	284.8	288.8	284.9
17	762.00	-40.00	0.00	50.694	6.511	3.785	294.0	284.7	288.9	283.6
18	762.00	-32.00	0.00	51.148	8.465	4.958	293.9	284.7	288.6	281.8
19	762.00	-24.00	0.00	51.091	10.429	6.083	293.9	284.7	288.6	280.3
20	762.00	-16.00	0.00	51.198	12.474	7.248	293.8	284.6	288.3	278.5
21	762.00	-8.00	0.00	50.875	13.719	8.006	293.5	284.5	288.3	277.6
22	762.00	0.00	0.00	50.688	14.232	8.318	293.3	284.5	288.5	277.5
23	762.00	8.00	0.00	51.312	13.697	7.957	293.2	284.6	288.1	277.5
24	762.00	16.00	0.00	51.069	11.796	6.851	293.0	284.5	288.1	278.8
25	762.00	24.00	0.00	51.216	10.113	5.816	293.2	284.5	288.4	280.4
26	762.00	32.00	0.00	50.513	7.710	4.541	293.4	284.5	288.0	281.8
27	762.00	40.00	0.00	50.602	6.119	3.435	293.2	284.5	287.9	282.9
28	762.00	48.00	0.00	51.285	4.570	2.710	292.9	284.4	287.9	284.2
29	762.00	56.00	0.00	51.289	3.087	1.724	292.7	284.4	288.4	285.8
30	762.00	64.00	0.00	51.206	2.154	1.287	292.7	284.4	288.8	287.0
31	762.00	72.00	0.00	50.718	1.560	0.843	292.9	284.4	289.2	287.9
32	762.00	80.00	0.00	50.728	0.952	0.567	292.9	284.3	289.6	288.8
33	762.00	88.00	0.00	51.171	0.589	0.377	292.9	284.3	289.9	289.4
34	762.00	96.00	0.00	50.938	0.318	0.184	293.2	284.3	290.5	290.2
35	762.00	104.00	0.00	51.285	0.159	0.100	293.5	284.3	290.6	290.5
36	762.00	112.00	0.00	50.994	0.039	0.059	293.6	284.2	291.1	291.1
37	762.00	120.00	0.00	50.846	0.018	0.021	293.7	284.2	291.4	291.4
38	762.00	128.00	0.00	51.181	0.013	0.020	293.7	284.3	291.7	291.7
39	762.00	136.00	0.00	51.159	0.012	0.016	293.6	284.3	292.2	292.2
40	762.00	144.00	0.00	51.140	0.012	0.012	293.9	284.2	292.5	292.5
41	762.00	152.00	0.00	50.752	0.013	0.022	293.5	284.2	292.3	292.3
42	762.00	160.00	0.00	50.724	0.013	0.025	293.1	284.2	292.3	292.3

File : TAB368T 13-MAR-89
13-MAR-89

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB, PLTTABC
ROUND

C1 : X/D = 15
C2 : ZERO
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.799 kPa

Mean gauged plenum pressure : 51.008 kPa
RMS gauged plenum pressure : 0.255 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	762.00	0.00	-160.00	50.773	0.010	0.009	289.8	283.7	288.8	288.8
3	762.00	0.00	-152.00	50.488	0.009	0.009	289.7	283.7	289.3	289.3
4	762.00	0.00	-144.00	51.239	0.009	0.008	289.7	283.7	289.2	289.2
5	762.00	0.00	-136.00	51.109	0.008	0.007	289.8	283.7	289.3	289.3
6	762.00	0.00	-128.00	50.725	0.009	0.008	290.0	283.7	289.2	289.2
7	762.00	0.00	-120.00	50.763	0.012	0.015	290.0	283.7	288.9	288.9
8	762.00	0.00	-112.00	51.020	0.015	0.014	290.3	283.7	289.2	289.2
9	762.00	0.00	-104.00	51.229	0.092	0.050	290.9	283.7	288.8	288.7
10	762.00	0.00	-96.00	51.264	0.294	0.174	291.2	283.7	288.5	288.3
11	762.00	0.00	-88.00	51.129	0.590	0.346	291.4	283.7	288.5	288.0
12	762.00	0.00	-80.00	51.115	1.060	0.626	291.4	283.7	287.4	286.5
13	762.00	0.00	-72.00	50.698	1.635	0.930	290.9	283.7	287.3	285.9
14	762.00	0.00	-64.00	51.068	2.392	1.446	290.4	283.7	286.7	284.7
15	762.00	0.00	-56.00	51.163	3.563	2.102	290.3	283.7	286.5	283.6

16	762.00	0.00	-48.00	50.996	4.871	2.860	290.1	283.7	286.2	282.2
17	762.00	0.00	-40.00	51.298	6.500	3.861	290.1	283.7	286.0	280.8
18	762.00	0.00	-32.00	50.702	8.503	4.866	290.1	283.7	286.0	279.3
19	762.00	0.00	-24.00	51.020	10.415	6.103	290.1	283.6	286.1	277.9
20	762.00	0.00	-16.00	51.291	12.468	7.266	290.1	283.6	286.1	276.4
21	762.00	0.00	-8.00	51.119	13.799	8.038	290.2	283.7	286.2	275.6
22	762.00	0.00	0.00	51.180	14.263	8.366	290.4	283.6	286.6	275.6
23	762.00	0.00	8.00	50.808	13.491	7.948	290.4	283.6	286.4	276.0
24	762.00	0.00	16.00	50.911	12.418	7.150	290.5	283.7	286.1	276.5
25	762.00	0.00	24.00	50.879	10.667	6.219	290.4	283.7	286.2	277.8
26	762.00	0.00	32.00	51.225	8.610	4.931	290.4	283.7	286.0	279.2
27	762.00	0.00	40.00	51.077	6.769	3.959	290.4	283.6	286.1	280.7
28	762.00	0.00	48.00	50.896	5.012	2.951	290.3	283.6	286.2	282.1
29	762.00	0.00	56.00	50.511	3.830	2.195	290.3	283.5	286.3	283.2
30	762.00	0.00	64.00	51.251	2.771	1.542	290.3	283.6	286.8	284.5
31	762.00	0.00	72.00	51.043	1.746	1.074	290.5	283.6	287.5	286.0
32	762.00	0.00	80.00	51.085	1.163	0.729	290.7	283.7	287.8	286.8
33	762.00	0.00	88.00	50.771	0.773	0.463	291.0	283.7	288.4	287.8
34	762.00	0.00	96.00	50.757	0.452	0.262	291.0	283.7	288.9	288.5
35	762.00	0.00	104.00	51.263	0.276	0.152	291.1	283.7	288.9	288.7
36	762.00	0.00	112.00	51.170	0.153	0.102	291.3	283.8	289.6	289.5
37	762.00	0.00	120.00	51.009	0.071	0.057	291.3	283.8	289.7	289.6
38	762.00	0.00	128.00	50.752	0.050	0.033	291.3	283.8	289.8	289.8
39	762.00	0.00	136.00	51.159	0.045	0.034	291.3	283.7	290.1	290.1
40	762.00	0.00	144.00	51.235	0.038	0.027	291.4	283.7	290.5	290.5
41	762.00	0.00	152.00	51.262	0.042	0.028	291.3	283.8	290.4	290.4
42	762.00	0.00	160.00	50.766	0.046	0.029	291.1	283.8	290.3	290.3

File : TAB058S 9-SEP-88
9-SEP-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied
to pressure data

PIPE TEST

Unexcited, unheated jet, Mj = 0.212
4-INCH PIPE NOZZLE
X/D = 1, DRPCOR

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.833 kPa

Mean gauged plenum pressure : 3.081 kPa
RMS gauged plenum pressure : 0.025 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
2	101.60	0.00	-60.00	3.081	0.140	0.201	294.8	291.0	293.2	0.0
3	101.60	0.00	-58.50	3.081	0.185	0.268	294.8	291.0	293.0	0.0
4	101.60	0.00	-57.00	3.081	0.267	0.342	294.7	291.0	292.9	0.0
5	101.60	0.00	-55.50	3.081	0.368	0.453	294.8	291.1	292.6	0.0
6	101.60	0.00	-54.00	3.081	0.512	0.604	294.7	291.0	292.5	0.0
7	101.60	0.00	-52.50	3.081	0.701	0.785	294.7	291.0	292.3	0.0
8	101.60	0.00	-51.00	3.081	0.900	0.998	294.7	291.1	292.2	0.0
9	101.60	0.00	-49.50	3.081	1.131	1.232	294.6	291.1	292.2	0.0
10	101.60	0.00	-48.00	3.081	1.391	1.490	294.6	291.1	292.1	0.0
11	101.60	0.00	-46.50	3.081	1.679	1.745	294.5	291.1	292.0	0.0
12	101.60	0.00	-45.00	3.081	1.932	2.036	294.5	291.1	291.8	0.0
13	101.60	0.00	-43.50	3.081	2.241	2.291	294.5	291.1	291.7	0.0

14	101.60	0.00	-42.00	3.081	2.441	2.510	294.5	291.1	291.6	0.0
15	101.60	0.00	-40.50	3.081	2.632	2.696	294.5	291.1	291.5	0.0
16	101.60	0.00	-39.00	3.081	2.760	2.809	294.5	291.1	291.4	0.0
17	101.60	0.00	-37.50	3.081	2.852	2.910	294.6	291.1	291.3	0.0
18	101.60	0.00	-36.00	3.081	2.892	2.995	294.9	291.1	291.2	0.0
19	101.60	0.00	-34.50	3.081	2.976	3.021	295.3	291.1	291.3	0.0
20	101.60	0.00	-33.00	3.081	3.047	3.048	295.5	291.1	291.3	0.0
21	101.60	0.00	-31.50	3.081	3.033	3.076	295.4	291.1	291.2	0.0
22	101.60	0.00	-30.00	3.081	3.058	3.090	295.2	291.1	291.2	0.0
23	101.60	0.00	-25.00	3.081	3.119	3.134	295.5	291.1	291.1	0.0
24	101.60	0.00	-20.00	3.081	3.132	3.142	295.5	291.1	291.0	0.0
25	101.60	0.00	-15.00	3.081	3.134	3.142	295.5	291.1	291.0	0.0
26	101.60	0.00	-10.00	3.081	3.133	3.138	295.2	291.1	291.0	0.0
27	101.60	0.00	-5.00	3.081	3.143	3.148	294.7	291.1	290.9	0.0
28	101.60	0.00	0.00	3.081	3.145	3.144	294.7	291.1	290.9	0.0
29	101.60	0.00	5.00	3.081	3.134	3.135	294.5	291.1	290.9	0.0
30	101.60	0.00	10.00	3.081	3.124	3.121	294.5	291.1	290.9	0.0
31	101.60	0.00	15.00	3.081	3.115	3.124	294.4	291.1	290.9	0.0
32	101.60	0.00	20.00	3.081	3.105	3.104	294.3	291.1	291.0	0.0
33	101.60	0.00	25.00	3.081	3.058	3.072	294.2	291.1	291.0	0.0
34	101.60	0.00	30.00	3.081	3.024	3.052	294.2	291.1	291.0	0.0
35	101.60	0.00	31.50	3.081	3.006	3.061	294.2	291.1	291.0	0.0
36	101.60	0.00	33.00	3.081	2.970	3.008	294.2	291.1	291.0	0.0
37	101.60	0.00	34.50	3.081	2.967	3.032	294.2	291.0	291.0	0.0
38	101.60	0.00	36.00	3.081	2.939	3.016	294.1	291.1	290.9	0.0
39	101.60	0.00	37.50	3.081	2.902	2.954	294.1	291.0	290.9	0.0
40	101.60	0.00	39.00	3.081	2.896	2.981	294.2	291.1	291.0	0.0
41	101.60	0.00	40.50	3.081	2.786	2.898	294.2	291.1	291.0	0.0
42	101.60	0.00	42.00	3.081	2.712	2.772	294.2	291.1	291.1	0.0
43	101.60	0.00	43.50	3.081	2.568	2.719	294.2	291.1	291.1	0.0
44	101.60	0.00	45.00	3.081	2.490	2.589	294.1	291.1	291.3	0.0
45	101.60	0.00	46.50	3.081	2.264	2.332	294.4	291.1	291.4	0.0
46	101.60	0.00	48.00	3.081	2.046	2.108	294.8	291.0	291.5	0.0
47	101.60	0.00	49.50	3.081	1.770	1.902	295.0	291.1	291.7	0.0
48	101.60	0.00	51.00	3.081	1.513	1.623	295.2	291.1	291.7	0.0
49	101.60	0.00	52.50	3.081	1.255	1.343	295.4	291.0	291.7	0.0
50	101.60	0.00	54.00	3.081	1.009	1.084	295.4	291.1	291.7	0.0
51	101.60	0.00	55.50	3.081	0.775	0.869	295.4	291.0	292.0	0.0
52	101.60	0.00	57.00	3.081	0.591	0.665	295.4	291.1	292.1	0.0
53	101.60	0.00	58.50	3.081	0.429	0.484	295.3	291.1	292.1	0.0
54	101.60	0.00	60.00	3.081	0.297	0.337	295.1	291.1	292.0	0.0

File : TAB506T 3-OCT-88
3-OCT-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied
to pressure data

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 474 K
CIRCULAR NOZZLE
X/D = 3, DRPCOR

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.359 kPa

Mean gauged plenum pressure : 50.815 kPa
RMS gauged plenum pressure : 0.190 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	152.40	-45.00	0.00	50.815	0.012	0.015	296.4	473.5	308.3	308.3
3	152.40	-43.00	0.00	50.815	0.099	0.078	296.5	473.0	310.2	310.1
4	152.40	-41.00	0.00	50.815	0.350	0.214	296.5	473.2	315.9	315.6
5	152.40	-39.00	0.00	50.815	0.898	0.547	296.5	473.6	324.7	323.9
6	152.40	-37.00	0.00	50.815	1.910	1.107	296.4	474.0	333.6	331.8
7	152.40	-35.00	0.00	50.815	3.435	1.964	296.5	474.2	344.3	340.9
8	152.40	-33.00	0.00	50.815	5.663	3.305	296.4	473.3	355.8	350.1
9	152.40	-31.00	0.00	50.815	8.284	4.802	296.4	473.2	366.6	358.2
10	152.40	-29.00	0.00	50.815	12.175	7.064	296.5	473.4	381.0	368.5
11	152.40	-27.00	0.00	50.815	16.597	9.636	296.6	473.6	393.1	375.9
12	152.40	-25.00	0.00	50.815	22.301	12.961	296.6	473.9	406.8	383.7
13	152.40	-23.00	0.00	50.815	29.850	17.301	297.4	474.6	422.6	391.7

14	152.40	-21.00	0.00	50.815	35.653	20.710	297.2	473.6	432.4	395.8
15	152.40	-19.00	0.00	50.815	40.610	23.538	296.9	473.2	439.3	398.0
16	152.40	-17.00	0.00	50.815	44.005	25.515	297.1	472.0	442.0	397.7
17	152.40	-15.00	0.00	50.815	46.439	26.970	297.5	470.7	446.4	399.7
18	152.40	-12.00	0.00	50.815	49.207	28.516	298.0	470.0	455.5	405.7
19	152.40	-9.00	0.00	50.815	50.288	29.169	298.2	470.5	462.2	410.9
20	152.40	-6.00	0.00	50.815	50.686	29.414	298.2	470.4	465.6	413.6
21	152.40	-3.00	0.00	50.815	50.738	29.430	298.0	470.2	466.4	414.3
22	152.40	0.00	0.00	50.815	50.726	29.435	298.0	470.3	467.6	415.3
23	152.40	3.00	0.00	50.815	50.726	29.441	297.8	471.5	467.4	415.2
24	152.40	6.00	0.00	50.815	50.655	29.362	296.9	470.6	466.4	414.3
25	152.40	9.00	0.00	50.815	50.442	29.234	296.4	472.5	465.2	413.4
26	152.40	11.00	0.00	50.815	49.707	28.895	296.3	473.0	460.0	409.3
27	152.40	13.00	0.00	50.815	48.915	28.430	296.2	474.0	456.1	406.5
28	152.40	15.00	0.00	50.815	47.696	27.691	296.1	473.4	451.2	403.0
29	152.40	17.00	0.00	50.815	46.019	26.571	296.2	473.1	444.2	398.1
30	152.40	19.00	0.00	50.815	43.149	25.073	296.0	472.7	438.2	394.9
31	152.40	21.00	0.00	50.815	39.575	22.967	296.0	473.9	431.3	391.5
32	152.40	23.00	0.00	50.815	34.709	20.054	295.9	475.3	428.6	393.1
33	152.40	25.00	0.00	50.815	28.681	16.764	295.8	475.1	420.2	390.5
34	152.40	27.00	0.00	50.815	22.235	12.876	295.9	474.9	405.6	382.6
35	152.40	29.00	0.00	50.815	17.110	9.947	295.8	474.5	394.9	377.2
36	152.40	31.00	0.00	50.815	12.330	7.217	295.8	473.7	381.9	369.2
37	152.40	33.00	0.00	50.815	8.470	4.958	295.8	473.2	367.7	359.1
38	152.40	35.00	0.00	50.815	5.931	3.486	295.8	472.7	358.0	352.0
39	152.40	37.00	0.00	50.815	3.930	2.320	295.7	472.8	346.2	342.3
40	152.40	39.00	0.00	50.815	2.540	1.448	295.8	472.1	338.0	335.5

File : TAB505S 3-OCT-88
3-OCT-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied to pressure data

VERTICAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 474 K
CIRCULAR NOZZLE
X/D = 3, DRPCOR

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.460 kPa

Mean gauged plenum pressure : 50.863 kPa
RMS gauged plenum pressure : 0.175 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
2	152.40	0.00	-40.00	50.863	1.887	1.099	295.1	475.8	331.0	0.0
3	152.40	0.00	-39.00	50.863	2.326	1.339	295.1	475.5	335.0	0.0
4	152.40	0.00	-38.00	50.863	3.068	1.803	295.2	475.0	340.3	0.0
5	152.40	0.00	-37.00	50.863	3.790	2.264	295.2	475.0	344.6	0.0
6	152.40	0.00	-36.00	50.863	4.966	2.854	295.2	475.2	350.8	0.0
7	152.40	0.00	-35.00	50.863	6.161	3.555	295.1	475.0	357.0	0.0
8	152.40	0.00	-34.00	50.863	7.452	4.331	295.0	475.3	362.4	0.0
9	152.40	0.00	-33.00	50.863	9.248	5.270	295.0	476.1	369.7	0.0
10	152.40	0.00	-32.00	50.863	11.094	6.406	295.2	477.2	378.0	0.0
11	152.40	0.00	-31.00	50.863	12.998	7.608	295.2	477.6	383.6	0.0
12	152.40	0.00	-30.00	50.863	15.473	8.880	295.1	477.7	392.4	0.0
13	152.40	0.00	-29.00	50.863	18.052	10.560	295.7	477.5	398.1	0.0

14	152.40	0.00	-28.00	50.863	21.103	12.245	296.2	475.3	404.8	0.0
15	152.40	0.00	-27.00	50.863	24.106	14.057	296.5	474.9	411.8	0.0
16	152.40	0.00	-26.00	50.863	27.318	15.925	296.6	475.3	419.3	0.0
17	152.40	0.00	-25.00	50.863	30.883	17.884	296.8	475.7	426.8	0.0
18	152.40	0.00	-24.00	50.863	34.426	19.957	296.5	475.1	432.8	0.0
19	152.40	0.00	-23.00	50.863	37.981	22.192	296.7	475.0	440.3	0.0
20	152.40	0.00	-22.00	50.863	40.953	23.795	296.6	475.1	446.4	0.0
21	152.40	0.00	-21.00	50.863	43.791	25.368	296.8	474.8	452.5	0.0
22	152.40	0.00	-20.00	50.863	45.749	26.613	296.8	474.9	455.8	0.0
23	152.40	0.00	-19.00	50.863	47.295	27.396	296.1	474.9	460.4	0.0
24	152.40	0.00	-18.00	50.863	48.225	27.986	295.7	474.8	462.1	0.0
25	152.40	0.00	-17.00	50.863	48.983	28.401	295.4	474.5	463.6	0.0
26	152.40	0.00	-16.00	50.863	49.400	28.691	295.2	474.7	463.3	0.0
27	152.40	0.00	-15.00	50.863	49.828	28.944	295.3	474.5	465.3	0.0
28	152.40	0.00	-12.00	50.863	50.637	29.389	295.4	473.8	468.5	0.0
29	152.40	0.00	-9.00	50.863	50.897	29.523	295.4	473.7	470.3	0.0
30	152.40	0.00	-6.00	50.863	50.915	29.530	295.5	473.5	471.5	0.0
31	152.40	0.00	-3.00	50.863	50.923	29.534	295.4	473.6	471.5	0.0
32	152.40	0.00	0.00	50.863	50.795	29.456	295.5	473.9	470.1	0.0
33	152.40	0.00	3.00	50.863	50.387	29.211	295.5	473.5	465.0	0.0
34	152.40	0.00	6.00	50.863	49.122	28.505	295.6	473.5	456.3	0.0
35	152.40	0.00	9.00	50.863	46.415	26.921	295.6	473.5	440.5	0.0
36	152.40	0.00	10.00	50.863	45.228	26.289	295.6	473.1	438.4	0.0
37	152.40	0.00	11.00	50.863	44.073	25.502	295.6	472.7	429.0	0.0
38	152.40	0.00	12.00	50.863	42.942	24.621	295.5	473.0	428.0	0.0
39	152.40	0.00	13.00	50.863	40.741	23.651	295.6	473.0	426.9	0.0
40	152.40	0.00	14.00	50.863	39.579	22.633	295.6	472.9	418.7	0.0
41	152.40	0.00	15.00	50.863	37.529	21.695	296.1	473.2	411.4	0.0
42	152.40	0.00	16.00	50.863	34.997	20.631	296.7	474.0	410.5	0.0
43	152.40	0.00	17.00	50.863	32.548	18.905	296.7	474.3	409.0	0.0
44	152.40	0.00	18.00	50.863	30.390	17.365	296.9	474.5	398.1	0.0
45	152.40	0.00	19.00	50.863	28.105	16.452	297.1	475.3	396.9	0.0
46	152.40	0.00	20.00	50.863	25.712	14.572	297.2	475.5	391.2	0.0
47	152.40	0.00	21.00	50.863	21.948	12.826	297.5	475.5	388.5	0.0
48	152.40	0.00	22.00	50.863	20.397	11.711	297.4	475.5	387.6	0.0
49	152.40	0.00	23.00	50.863	18.306	10.598	297.4	475.6	385.0	0.0
50	152.40	0.00	24.00	50.863	15.702	9.046	297.4	474.9	382.5	0.0
51	152.40	0.00	25.00	50.863	12.877	7.667	296.8	474.8	374.9	0.0
52	152.40	0.00	26.00	50.863	10.842	6.285	296.2	475.3	373.3	0.0
53	152.40	0.00	27.00	50.863	9.081	5.305	295.9	475.2	366.8	0.0
54	152.40	0.00	28.00	50.863	8.039	4.635	295.6	475.0	366.8	0.0
55	152.40	0.00	29.00	50.863	6.068	3.609	295.5	474.8	362.7	0.0
56	152.40	0.00	30.00	50.863	4.991	2.849	295.5	475.5	360.2	0.0
57	152.40	0.00	31.00	50.863	3.883	2.452	295.4	474.5	356.9	0.0
58	152.40	0.00	32.00	50.863	3.015	1.686	295.4	474.0	354.1	0.0
59	152.40	0.00	33.00	50.863	2.165	1.279	295.4	474.0	347.6	0.0
60	152.40	0.00	34.00	50.863	1.873	1.108	295.4	474.2	342.1	0.0

C-6

File : TAB504S 26-SEP-88
26-SEP-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied to pressure data

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 477 K

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.165 kPa

Mean gauged plenum pressure : 51.287 kPa
RMS gauged plenum pressure : 0.266 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
2	152.40	-45.00	0.00	51.287	0.016	0.019	298.6	477.3	10.0	0.0
3	152.40	-44.00	0.00	51.287	0.061	0.045	298.5	477.7	10.0	0.0
4	152.40	-43.00	0.00	51.287	0.085	0.065	298.4	476.7	10.0	0.0
5	152.40	-42.00	0.00	51.287	0.314	0.210	298.4	475.9	10.0	0.0
6	152.40	-41.00	0.00	51.287	0.332	0.209	298.4	475.9	10.0	0.0
7	152.40	-40.00	0.00	51.287	0.765	0.461	298.8	476.5	10.0	0.0
8	152.40	-39.00	0.00	51.287	0.888	0.540	298.9	478.2	10.0	0.0
9	152.40	-38.00	0.00	51.287	1.712	1.012	299.0	477.8	10.0	0.0
10	152.40	-37.00	0.00	51.287	1.877	1.123	299.2	475.7	10.0	0.0
11	152.40	-36.00	0.00	51.287	2.965	1.763	299.2	476.3	10.0	0.0
12	152.40	-35.00	0.00	51.287	3.011	1.806	299.3	476.6	10.0	0.0
13	152.40	-34.00	0.00	51.287	4.846	2.827	299.3	478.3	10.0	0.0
14	152.40	-33.00	0.00	51.287	5.090	2.983	299.3	478.4	10.0	0.0
15	152.40	-32.00	0.00	51.287	7.324	4.397	299.3	478.9	10.1	0.0

16	152.40	-31.00	0.00	51.287	7.382	4.306	299.3	476.5	10.1	0.0
17	152.40	-30.00	0.00	51.287	10.598	6.212	299.4	476.6	10.1	0.0
18	152.40	-29.00	0.00	51.287	11.074	6.453	299.3	478.5	10.1	0.0
19	152.40	-28.00	0.00	51.287	15.344	8.826	299.4	477.3	10.1	0.0
20	152.40	-27.00	0.00	51.287	15.885	9.179	299.4	477.2	10.1	0.0
21	152.40	-26.00	0.00	51.287	20.759	11.990	299.4	477.7	10.1	0.0
22	152.40	-25.00	0.00	51.287	20.694	12.046	299.4	477.5	10.1	0.0
23	152.40	-24.00	0.00	51.287	27.118	15.724	299.5	477.3	10.2	0.0
24	152.40	-23.00	0.00	51.287	27.214	15.742	299.4	477.0	10.2	0.0
25	152.40	-22.00	0.00	51.287	33.544	19.442	299.4	477.2	10.2	0.0
26	152.40	-21.00	0.00	51.287	33.797	19.679	299.5	477.5	10.2	0.0
27	152.40	-20.00	0.00	51.287	39.680	23.026	299.6	477.7	10.2	0.0
28	152.40	-19.00	0.00	51.287	40.126	23.347	299.6	476.8	10.2	0.0
29	152.40	-18.00	0.00	51.287	43.816	25.345	299.3	477.7	10.2	0.0
30	152.40	-17.00	0.00	51.287	44.227	25.657	298.9	477.4	10.2	0.0
31	152.40	-16.00	0.00	51.287	46.467	26.962	298.8	476.9	10.2	0.0
32	152.40	-15.00	0.00	51.287	46.529	26.966	298.7	478.4	10.2	0.0
33	152.40	-12.00	0.00	51.287	49.727	28.805	298.4	477.6	10.3	0.0
34	152.40	-9.00	0.00	51.287	50.784	29.431	298.2	477.1	10.3	0.0
35	152.40	-6.00	0.00	51.287	51.119	29.650	298.0	477.6	10.3	0.0
36	152.40	-3.00	0.00	51.287	51.168	29.689	297.9	473.8	10.3	0.0
37	152.40	0.00	0.00	51.287	51.183	29.739	297.9	478.9	10.3	0.0
38	152.40	3.00	0.00	51.287	51.180	29.693	298.0	478.1	10.3	0.0
39	152.40	6.00	0.00	51.287	51.249	29.719	298.0	479.4	10.3	0.0
40	152.40	9.00	0.00	51.287	50.941	29.539	298.1	475.5	10.3	0.0
41	152.40	10.00	0.00	51.287	50.689	29.394	297.9	479.0	10.3	0.0
42	152.40	11.00	0.00	51.287	50.474	29.263	298.4	476.8	10.3	0.0
43	152.40	12.00	0.00	51.287	50.381	29.216	298.8	478.6	10.3	0.0
44	152.40	13.00	0.00	51.287	49.635	28.836	298.9	477.7	10.3	0.0
45	152.40	14.00	0.00	51.287	49.464	28.667	299.0	478.2	10.3	0.0
46	152.40	15.00	0.00	51.287	48.481	28.091	299.1	477.9	10.3	0.0
47	152.40	16.00	0.00	51.287	48.093	28.052	299.0	476.6	10.3	0.0
48	152.40	17.00	0.00	51.287	46.297	26.873	299.0	478.8	10.2	0.0
49	152.40	18.00	0.00	51.287	46.075	26.813	299.1	480.5	10.2	0.0
50	152.40	19.00	0.00	51.287	43.710	25.354	299.0	476.9	10.2	0.0
51	152.40	20.00	0.00	51.287	43.342	25.119	298.9	479.0	10.2	0.0
52	152.40	21.00	0.00	51.287	39.940	23.169	298.8	476.5	10.2	0.0
53	152.40	22.00	0.00	51.287	39.552	22.897	298.7	477.5	10.2	0.0
54	152.40	23.00	0.00	51.287	34.203	19.881	298.7	477.6	10.2	0.0
55	152.40	24.00	0.00	51.287	33.739	19.744	298.6	477.5	10.2	0.0
56	152.40	25.00	0.00	51.287	27.810	16.130	298.6	477.6	10.2	0.0
57	152.40	26.00	0.00	51.287	27.699	16.096	298.7	477.4	10.2	0.0
58	152.40	27.00	0.00	51.287	21.429	12.552	298.7	477.3	10.2	0.0
59	152.40	28.00	0.00	51.287	21.817	12.662	298.8	478.3	10.2	0.0
60	152.40	29.00	0.00	51.287	16.895	9.646	298.9	476.9	10.1	0.0
61	152.40	30.00	0.00	51.287	16.456	9.426	299.0	479.0	10.1	0.0
62	152.40	31.00	0.00	51.287	12.404	7.165	299.1	477.2	10.1	0.0
63	152.40	32.00	0.00	51.287	11.712	6.735	299.1	478.1	10.1	0.0
64	152.40	33.00	0.00	51.287	8.297	4.903	298.8	476.2	10.1	0.0
65	152.40	34.00	0.00	51.287	8.179	4.790	298.6	477.8	10.1	0.0
66	152.40	35.00	0.00	51.287	6.033	3.472	298.6	476.5	10.1	0.0
67	152.40	36.00	0.00	51.287	5.851	3.460	298.3	476.9	10.1	0.0

68	152.40	37.00	0.00	51.287	3.736	2.257	298.1	476.7	10.0	0.0
69	152.40	38.00	0.00	51.287	3.766	2.188	298.0	476.3	10.0	0.0
70	152.40	39.00	0.00	51.287	2.291	1.320	298.1	476.6	10.0	0.0
71	152.40	-5.00	0.00	51.287	51.144	29.672	298.2	477.2	10.3	0.0

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File : TAB510S 6-OCT-88
6-OCT-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied to pressure data

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.58
BOUNDARY LAYER PROBE
X/D = 3, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.781 kPa

Mean gauged plenum pressure : 25.311 kPa
RMS gauged plenum pressure : 0.158 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
2	152.40	-45.00	0.00	25.311	0.076	0.032	294.3	291.1	0.0	0.0
3	152.40	-43.00	0.00	25.311	0.053	0.031	293.9	291.0	0.0	0.0
4	152.40	-41.00	0.00	25.311	0.148	0.038	293.5	291.0	0.0	0.0
5	152.40	-39.00	0.00	25.311	0.316	0.036	293.2	290.9	0.0	0.0
6	152.40	-37.00	0.00	25.311	0.688	0.031	293.0	290.8	0.0	0.0
7	152.40	-35.00	0.00	25.311	1.374	0.034	293.1	290.8	0.0	0.0
8	152.40	-33.00	0.00	25.311	2.139	0.031	293.0	290.7	0.0	0.0
9	152.40	-31.00	0.00	25.311	3.398	0.032	293.2	290.7	0.0	0.0
10	152.40	-29.00	0.00	25.311	5.283	0.028	293.0	290.6	0.0	0.0
11	152.40	-27.00	0.00	25.311	7.317	0.024	293.0	290.6	0.0	0.0
12	152.40	-25.00	0.00	25.311	10.270	0.024	293.0	290.7	0.0	0.0
13	152.40	-23.00	0.00	25.311	13.375	0.030	293.0	290.7	0.0	0.0

14	152.40	-21.00	0.00	25.311	16.775	0.028	293.0	290.7	0.0	0.0
15	152.40	-19.00	0.00	25.311	19.996	0.026	293.1	290.7	0.0	0.0
16	152.40	-17.00	0.00	25.311	22.560	0.026	293.0	290.7	0.0	0.0
17	152.40	-15.00	0.00	25.311	24.168	0.022	293.0	290.7	0.0	0.0
18	152.40	-13.00	0.00	25.311	24.751	0.022	293.1	290.7	0.0	0.0
19	152.40	-11.00	0.00	25.311	25.008	0.018	293.2	290.7	0.0	0.0
20	152.40	-9.00	0.00	25.311	25.083	0.019	293.2	290.7	0.0	0.0
21	152.40	-7.00	0.00	25.311	25.091	0.022	293.2	290.8	0.0	0.0
22	152.40	-5.00	0.00	25.311	25.089	0.017	293.3	290.8	0.0	0.0
23	152.40	-3.00	0.00	25.311	25.088	0.017	293.7	290.8	0.0	0.0
24	152.40	-1.00	0.00	25.311	25.100	0.019	294.0	290.8	0.0	0.0
25	152.40	1.00	0.00	25.311	25.085	0.015	293.9	290.7	0.0	0.0
26	152.40	3.00	0.00	25.311	25.109	0.015	294.2	290.8	0.0	0.0
27	152.40	5.00	0.00	25.311	25.053	0.013	294.5	290.8	0.0	0.0
28	152.40	7.00	0.00	25.311	25.110	0.013	294.4	290.8	0.0	0.0
29	152.40	9.00	0.00	25.311	25.030	0.016	294.0	290.8	0.0	0.0
30	152.40	11.00	0.00	25.311	25.010	0.013	293.9	290.7	0.0	0.0
31	152.40	13.00	0.00	25.311	24.872	0.013	293.4	290.8	0.0	0.0
32	152.40	15.00	0.00	25.311	24.313	0.014	292.9	290.8	0.0	0.0
33	152.40	17.00	0.00	25.311	23.304	0.017	292.6	290.8	0.0	0.0
34	152.40	19.00	0.00	25.311	21.526	0.015	292.5	290.8	0.0	0.0
35	152.40	21.00	0.00	25.311	18.588	0.016	292.6	290.8	0.0	0.0
36	152.40	23.00	0.00	25.311	15.444	0.015	292.5	290.9	0.0	0.0
37	152.40	25.00	0.00	25.311	12.032	0.013	292.6	290.9	0.0	0.0
38	152.40	27.00	0.00	25.311	9.469	0.015	292.4	290.9	0.0	0.0
39	152.40	29.00	0.00	25.311	6.947	0.015	292.3	291.0	0.0	0.0
40	152.40	31.00	0.00	25.311	4.714	0.014	292.2	291.0	0.0	0.0
41	152.40	33.00	0.00	25.311	3.296	0.013	292.2	291.1	0.0	0.0
42	152.40	35.00	0.00	25.311	2.109	0.014	292.3	291.1	0.0	0.0
43	152.40	37.00	0.00	25.311	1.315	0.014	292.3	291.1	0.0	0.0
44	152.40	39.00	0.00	25.311	0.714	0.014	292.2	291.2	0.0	0.0
45	152.40	41.00	0.00	25.311	0.325	0.015	292.3	291.1	0.0	0.0
46	152.40	43.00	0.00	25.311	0.129	0.015	292.4	291.2	0.0	0.0
47	152.40	45.00	0.00	25.311	0.024	0.013	292.4	291.2	0.0	0.0

TAB523T

File : TAB507T mirror image 4-OCT-88
4-OCT-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied to pressure data

INVERTED PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 465 K
VERTICAL PROFILE, PROBE FROM THE TOP
X/D = 3, DRPCOR
The sign of the vertical position has been reversed.

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.934 kPa

Mean gauged plenum pressure : 51.155 kPa
RMS gauged plenum pressure : 0.145 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	152.40	0.00	45.00	51.155	0.877	0.452	287.8	466.6	334.3	333.5
3	152.40	0.00	43.00	51.155	1.150	0.606	287.9	468.7	336.5	335.4
4	152.40	0.00	41.00	51.155	1.845	1.168	287.8	466.6	343.4	341.6
5	152.40	0.00	39.00	51.155	3.203	1.880	287.8	466.3	349.6	346.4
6	152.40	0.00	37.00	51.155	5.621	3.275	287.8	465.4	357.8	352.2
7	152.40	0.00	35.00	51.155	8.987	5.251	287.8	464.9	363.2	354.2
8	152.40	0.00	33.00	51.155	14.231	8.187	288.0	464.8	374.1	359.9
9	152.40	0.00	31.00	51.155	19.578	11.362	288.4	464.9	378.0	358.9
10	152.40	0.00	29.00	51.155	25.399	14.761	288.9	466.1	390.0	365.2
11	152.40	0.00	27.00	51.155	31.251	18.219	289.1	466.3	397.3	367.2
12	152.40	0.00	25.00	51.155	36.611	21.232	289.6	464.8	406.9	371.8

13	152.40	0.00	23.00	51.155	40.939	23.796	289.7	464.0	414.8	375.6
14	152.40	0.00	21.00	51.155	44.311	25.721	288.7	463.2	420.7	378.4
15	152.40	0.00	19.00	51.155	46.996	27.335	288.4	462.3	430.2	384.9
16	152.40	0.00	17.00	51.155	48.815	28.307	288.1	461.9	437.7	390.3
17	152.40	0.00	15.00	51.155	50.208	29.110	288.0	461.7	445.3	396.0
18	152.40	0.00	13.00	51.155	50.914	29.523	288.0	461.0	452.5	401.9
19	152.40	0.00	11.00	51.155	51.166	29.675	288.0	460.3	455.8	404.7
20	152.40	0.00	9.00	51.155	51.245	29.718	288.0	459.6	456.3	405.1
21	152.40	0.00	7.00	51.155	51.285	29.737	288.0	459.4	456.8	405.5
22	152.40	0.00	5.00	51.155	51.287	29.748	288.0	460.9	459.1	407.5
23	152.40	0.00	3.00	51.155	51.247	29.725	288.0	462.6	459.8	408.2
24	152.40	0.00	1.00	51.155	51.185	29.697	288.1	463.1	458.7	407.3
25	152.40	0.00	-1.00	51.155	51.128	29.643	288.2	462.8	457.4	406.1
26	152.40	0.00	-3.00	51.155	50.745	29.397	288.3	463.1	455.4	404.6
27	152.40	0.00	-5.00	51.155	50.023	29.070	288.2	463.1	452.9	403.0
28	152.40	0.00	-7.00	51.155	49.194	28.477	288.2	463.1	450.8	401.7
29	152.40	0.00	-9.00	51.155	47.722	27.541	288.2	463.5	447.3	399.7
30	152.40	0.00	-11.00	51.155	44.637	25.892	288.3	464.0	442.5	397.8
31	152.40	0.00	-13.00	51.155	39.982	23.203	288.3	464.4	436.2	395.9
32	152.40	0.00	-15.00	51.155	33.877	19.426	288.5	465.3	424.3	390.0
33	152.40	0.00	-17.00	51.155	26.374	15.628	288.5	464.4	409.0	382.2
34	152.40	0.00	-19.00	51.155	20.626	12.151	288.3	463.5	397.8	376.8
35	152.40	0.00	-21.00	51.155	15.609	8.766	288.5	463.2	380.4	364.7
36	152.40	0.00	-23.00	51.155	10.726	6.281	288.6	463.1	368.6	357.9
37	152.40	0.00	-25.00	51.155	7.892	4.370	288.5	462.7	358.5	350.7
38	152.40	0.00	-27.00	51.155	4.993	3.015	288.4	463.6	344.5	339.7
39	152.40	0.00	-29.00	51.155	3.219	2.080	288.5	463.8	339.4	336.3
40	152.40	0.00	-31.00	51.155	2.209	1.365	288.6	463.8	329.1	327.0
41	152.40	0.00	-33.00	51.155	1.634	0.880	288.6	464.8	322.3	320.8
42	152.40	0.00	-35.00	51.155	0.791	0.383	288.7	464.7	315.1	314.4
43	152.40	0.00	-37.00	51.155	0.355	0.188	289.0	465.5	305.1	304.8
44	152.40	0.00	-39.00	51.155	0.115	0.104	289.4	462.9	303.5	303.4
45	152.40	0.00	-41.00	51.155	0.169	0.131	290.1	462.1	305.1	304.9
46	152.40	0.00	-43.00	51.155	0.334	0.199	290.4	461.5	306.9	306.6
47	152.40	0.00	-45.00	51.155	0.329	0.196	290.5	461.4	306.7	306.4

File : TAB508S 4-OCT-88
4-OCT-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied
to pressure data

B/L PROBE PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 470 K
B/L PROBE FROM THE BOTTOM
X/D = 3, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.934 kPa

Mean gauged plenum pressure : 51.196 kPa
RMS gauged plenum pressure : 0.214 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
2	152.40	0.00	-45.00	51.196	0.425	0.201	293.8	468.2	293.6	0.0
3	152.40	0.00	-43.00	51.196	0.556	0.337	293.9	468.2	293.6	0.0
4	152.40	0.00	-41.00	51.196	1.134	0.661	293.9	468.7	293.6	0.0
5	152.40	0.00	-39.00	51.196	2.147	1.258	294.8	468.9	293.8	0.0
6	152.40	0.00	-37.00	51.196	3.678	2.134	295.4	468.9	293.7	0.0
7	152.40	0.00	-35.00	51.196	5.874	3.435	295.8	469.2	293.8	0.0
8	152.40	0.00	-33.00	51.196	8.866	5.176	295.6	469.6	293.7	0.0
9	152.40	0.00	-31.00	51.196	12.997	7.603	295.5	470.1	293.9	0.0
10	152.40	0.00	-29.00	51.196	18.640	10.821	295.2	469.5	293.8	0.0
11	152.40	0.00	-27.00	51.196	25.327	14.739	295.6	469.2	293.8	0.0
12	152.40	0.00	-25.00	51.196	33.093	19.206	295.0	469.4	293.7	0.0
13	152.40	0.00	-23.00	51.196	40.612	23.536	294.6	470.1	294.0	0.0

14	152.40	0.00	-21.00	51.196	46.179	26.799	294.6	471.3	294.0	0.0
15	152.40	0.00	-19.00	51.196	49.366	28.640	294.6	471.9	294.1	0.0
16	152.40	0.00	-17.00	51.196	50.437	29.240	294.6	472.4	294.1	0.0
17	152.40	0.00	-15.00	51.196	50.639	29.356	294.5	471.5	294.1	0.0
18	152.40	0.00	-13.00	51.196	50.620	29.354	294.5	472.0	294.2	0.0
19	152.40	0.00	-11.00	51.196	50.585	29.333	294.3	471.5	293.9	0.0
20	152.40	0.00	-9.00	51.196	50.549	29.315	294.3	471.3	293.9	0.0
21	152.40	0.00	-7.00	51.196	50.534	29.285	294.2	471.5	294.0	0.0
22	152.40	0.00	-5.00	51.196	50.477	29.274	294.4	470.3	294.0	0.0
23	152.40	0.00	-3.00	51.196	50.429	29.250	294.3	469.7	294.0	0.0
24	152.40	0.00	-1.00	51.196	50.377	29.219	294.1	469.3	293.8	0.0
25	152.40	0.00	1.00	51.196	50.246	29.144	294.1	469.0	294.0	0.0
26	152.40	0.00	3.00	51.196	49.652	28.771	294.1	467.8	294.1	0.0
27	152.40	0.00	5.00	51.196	47.276	27.416	294.1	466.9	294.1	0.0
28	152.40	0.00	7.00	51.196	43.157	24.983	294.3	467.0	294.5	0.0
29	152.40	0.00	9.00	51.196	37.716	21.818	294.4	468.9	294.4	0.0
30	152.40	0.00	11.00	51.196	31.029	17.831	294.6	470.4	294.4	0.0
31	152.40	0.00	13.00	51.196	22.756	13.125	295.3	469.7	294.6	0.0
32	152.40	0.00	15.00	51.196	12.913	7.369	295.8	469.2	294.8	0.0
33	152.40	0.00	17.00	51.196	-5.465	-3.555	295.9	472.0	295.0	0.0
34	152.40	0.00	19.00	51.196	-27.102	-15.773	295.6	468.1	295.3	0.0
35	152.40	0.00	21.00	51.196	-26.192	-15.088	295.7	469.4	295.3	0.0
36	152.40	0.00	23.00	51.196	-21.535	-12.464	296.3	469.5	295.2	0.0
37	152.40	0.00	25.00	51.196	-21.883	-12.852	296.3	470.0	294.9	0.0
38	152.40	0.00	27.00	51.196	-22.661	-13.062	295.8	469.2	294.9	0.0
39	152.40	0.00	29.00	51.196	-24.547	-14.268	295.9	469.7	295.3	0.0
40	152.40	0.00	31.00	51.196	-26.064	-15.123	295.2	467.4	295.2	0.0
41	152.40	0.00	33.00	51.196	-28.158	-16.350	294.9	467.4	295.3	0.0
42	152.40	0.00	35.00	51.196	-30.694	-17.795	294.9	471.7	295.1	0.0
43	152.40	0.00	37.00	51.196	-33.899	-19.596	294.8	472.7	295.5	0.0
44	152.40	0.00	39.00	51.196	-37.253	-21.614	294.8	471.7	295.7	0.0
45	152.40	0.00	41.00	51.196	-39.028	-22.659	294.9	471.0	295.6	0.0
46	152.40	0.00	43.00	51.196	-39.070	-22.696	294.8	470.6	295.4	0.0
47	152.40	0.00	45.00	51.196	-37.475	-21.634	294.7	469.5	295.0	0.0

File : TAB513T 11-OCT-88
10-OCT-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied to pressure data

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 465 K
CENTRO T/C PROBE
TEMPERATURE ONLY
X/D = 1, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.205 kPa

Mean gauged plenum pressure : 51.269 kPa
RMS gauged plenum pressure : 0.093 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	50.80	-28.00	0.00	51.269	0.011	0.012	290.5	467.2	370.1	370.1
3	50.80	-26.00	0.00	51.269	0.011	0.012	290.4	466.7	409.6	409.6
4	50.80	-24.00	0.00	51.269	0.011	0.011	290.4	466.4	443.3	443.3
5	50.80	-22.00	0.00	51.269	0.011	0.012	290.4	466.3	458.6	458.6
6	50.80	-20.00	0.00	51.269	0.012	0.012	290.4	466.4	463.4	463.4
7	50.80	-18.00	0.00	51.269	0.012	0.012	290.5	466.6	464.3	464.3
8	50.80	-16.00	0.00	51.269	0.012	0.012	290.5	467.0	464.6	464.6
9	50.80	-14.00	0.00	51.269	0.012	0.012	290.5	467.3	465.0	465.0
10	50.80	-12.00	0.00	51.269	0.013	0.012	290.4	467.0	465.0	465.0
11	50.80	-10.00	0.00	51.269	0.012	0.012	290.5	466.6	464.5	464.5
12	50.80	-8.00	0.00	51.269	0.013	0.012	290.6	466.6	464.5	464.5

13	50.80	-6.00	0.00	51.269	0.013	0.012	290.6	466.6	464.7	464.7
14	50.80	-4.00	0.00	51.269	0.013	0.013	290.6	466.5	464.4	464.4
15	50.80	-2.00	0.00	51.269	0.014	0.013	290.6	466.3	464.3	464.3
16	50.80	0.00	0.00	51.269	0.014	0.012	290.6	466.3	464.2	464.2
17	50.80	2.00	0.00	51.269	0.014	0.014	290.5	466.4	464.6	464.6
18	50.80	4.00	0.00	51.269	0.015	0.015	290.5	466.4	464.5	464.5
19	50.80	6.00	0.00	51.269	0.014	0.013	290.5	466.3	464.6	464.6
20	50.80	8.00	0.00	51.269	0.016	0.013	290.8	466.2	464.4	464.4
21	50.80	10.00	0.00	51.269	0.016	0.014	290.8	465.6	463.5	463.5
22	50.80	12.00	0.00	51.269	0.020	0.017	290.8	465.8	463.7	463.7
23	50.80	14.00	0.00	51.269	0.023	0.014	291.0	465.9	463.6	463.6
24	50.80	16.00	0.00	51.269	0.025	0.014	291.1	465.9	462.9	462.9
25	50.80	18.00	0.00	51.269	0.033	0.023	291.1	465.6	462.0	462.0
26	50.80	20.00	0.00	51.269	0.032	0.023	291.0	465.5	456.2	456.2
27	50.80	22.00	0.00	51.269	0.034	0.023	291.5	465.4	444.3	444.3
28	50.80	24.00	0.00	51.269	0.031	0.022	292.1	465.3	423.9	423.9
29	50.80	26.00	0.00	51.269	0.038	0.021	292.4	465.1	384.9	384.9
30	50.80	28.00	0.00	51.269	0.038	0.026	292.2	465.2	353.4	353.4

File : TAB515T 11-OCT-88
10-OCT-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied to pressure data

HORIZONTAL PROFILE

Unexcited, heated jet, Mj = 0.8, Tt = 472 K
IN-HOUSE T/C PROBE
STRONG TONE, 2K+/-
X/D = 1, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.901 kPa

Mean gauged plenum pressure : 51.232 kPa
RMS gauged plenum pressure : 0.147 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	50.80	-28.00	0.00	51.232	0.039	0.017	293.0	470.6	379.6	379.6
3	50.80	-26.00	0.00	51.232	0.044	0.017	293.1	470.6	407.5	407.4
4	50.80	-24.00	0.00	51.232	0.042	0.020	293.0	470.5	429.4	429.3
5	50.80	-22.00	0.00	51.232	0.049	0.024	293.0	470.8	459.2	459.1
6	50.80	-20.00	0.00	51.232	0.060	0.025	292.8	471.4	464.5	464.4
7	50.80	-18.00	0.00	51.232	0.048	0.020	293.2	471.8	466.7	466.6
8	50.80	-16.00	0.00	51.232	0.045	0.020	293.5	473.3	469.2	469.1
9	50.80	-14.00	0.00	51.232	0.053	0.024	293.6	475.8	471.2	471.1
10	50.80	-12.00	0.00	51.232	0.053	0.026	293.7	474.1	469.3	469.2
11	50.80	-10.00	0.00	51.232	0.060	0.028	293.7	473.1	468.6	468.5
12	50.80	-8.00	0.00	51.232	0.063	0.030	293.7	472.8	468.1	468.0

13	50.80	-6.00	0.00	51.232	0.063	0.035	293.4	472.4	468.0	467.9
14	50.80	-4.00	0.00	51.232	0.063	0.034	293.3	471.9	467.2	467.1
15	50.80	-2.00	0.00	51.232	0.068	0.034	293.1	471.7	467.4	467.3
16	50.80	0.00	0.00	51.232	0.072	0.040	293.0	471.9	467.4	467.3
17	50.80	2.00	0.00	51.232	0.075	0.038	293.2	471.8	467.3	467.2
18	50.80	4.00	0.00	51.232	0.075	0.037	293.5	471.6	467.1	467.0
19	50.80	6.00	0.00	51.232	0.074	0.039	294.2	471.6	467.0	466.9
20	50.80	8.00	0.00	51.232	0.074	0.036	294.6	471.6	467.1	467.0
21	50.80	10.00	0.00	51.232	0.071	0.037	294.4	471.6	467.3	467.2
22	50.80	12.00	0.00	51.232	0.075	0.039	294.5	471.6	467.0	466.9
23	50.80	14.00	0.00	51.232	0.074	0.040	294.6	471.3	466.6	466.5
24	50.80	16.00	0.00	51.232	0.075	0.039	294.8	470.8	465.8	465.7
25	50.80	18.00	0.00	51.232	0.071	0.038	294.9	470.5	465.4	465.3
26	50.80	20.00	0.00	51.232	0.069	0.037	294.6	470.2	458.1	458.0
27	50.80	22.00	0.00	51.232	0.075	0.041	294.3	470.3	445.1	445.0
28	50.80	24.00	0.00	51.232	0.069	0.044	294.3	470.8	415.3	415.2
29	50.80	26.00	0.00	51.232	0.068	0.041	294.4	471.4	392.9	392.8
30	50.80	28.00	0.00	51.232	0.065	0.039	294.5	471.9	358.8	358.7

File : TAB049S 8-SEP-88
8-SEP-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied
to pressure data

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
X/D = 1, REPEAT OF #48
DRPCOR

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.171 kPa

Mean gauged plenum pressure : 51.535 kPa
RMS gauged plenum pressure : 0.058 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
2	50.80	0.00	-13.00	51.535	6.588	7.211	293.6	290.8	289.1	0.0
3	50.80	0.00	-12.50	51.535	7.697	8.324	293.5	290.9	289.5	0.0
4	50.80	0.00	-12.00	51.535	9.995	10.699	293.5	290.9	289.4	0.0
5	50.80	0.00	-11.50	51.535	13.000	13.695	293.5	291.0	289.9	0.0
6	50.80	0.00	-11.00	51.535	16.673	17.317	293.5	291.0	290.8	0.0
7	50.80	0.00	-10.50	51.535	20.816	21.471	293.6	291.1	291.3	0.0
8	50.80	0.00	-10.00	51.535	25.313	25.925	293.6	291.1	292.1	0.0
9	50.80	0.00	-9.50	51.535	30.130	30.820	293.6	291.1	292.6	0.0
10	50.80	0.00	-9.00	51.535	34.673	35.316	293.6	291.2	293.2	0.0
11	50.80	0.00	-8.50	51.535	38.997	39.574	293.5	291.2	293.5	0.0
12	50.80	0.00	-8.00	51.535	42.803	43.491	293.5	291.2	293.4	0.0
13	50.80	0.00	-7.50	51.535	45.782	46.418	293.4	291.2	293.2	0.0

14	50.80	0.00	-7.00	51.535	48.006	48.625	293.5	291.2	292.7	0.0
15	50.80	0.00	-6.50	51.535	49.541	50.158	293.6	291.3	292.4	0.0
16	50.80	0.00	-6.00	51.535	50.383	50.965	293.4	291.3	292.2	0.0
17	50.80	0.00	-5.50	51.535	50.924	51.520	293.3	291.3	291.8	0.0
18	50.80	0.00	-5.00	51.535	51.265	51.834	293.3	291.3	291.7	0.0
19	50.80	0.00	-4.50	51.535	51.419	52.029	293.4	291.3	291.4	0.0
20	50.80	0.00	-4.00	51.535	51.520	52.126	294.3	291.3	291.3	0.0
21	50.80	0.00	-3.50	51.535	51.555	52.177	294.7	291.3	291.3	0.0
22	50.80	0.00	-3.00	51.535	51.569	52.194	294.7	291.3	291.2	0.0
23	50.80	0.00	-2.50	51.535	51.571	52.224	295.1	291.3	291.2	0.0
24	50.80	0.00	-2.00	51.535	51.573	52.256	295.3	291.4	291.2	0.0
25	50.80	0.00	-1.50	51.535	51.584	52.280	295.3	291.4	291.1	0.0
26	50.80	0.00	-1.00	51.535	51.594	52.307	295.3	291.4	291.1	0.0
27	50.80	0.00	-0.50	51.535	51.609	52.377	295.2	291.3	291.1	0.0
28	50.80	0.00	0.00	51.535	51.605	52.393	294.3	291.3	291.1	0.0
29	50.80	0.00	0.50	51.535	51.611	52.448	293.9	291.4	291.1	0.0
30	50.80	0.00	1.00	51.535	51.621	52.476	293.9	291.4	291.1	0.0
31	50.80	0.00	1.50	51.535	51.614	52.522	293.8	291.4	291.1	0.0
32	50.80	0.00	2.00	51.535	51.589	52.509	293.7	291.4	291.1	0.0
33	50.80	0.00	2.50	51.535	51.585	52.535	293.7	291.4	291.0	0.0
34	50.80	0.00	3.00	51.535	51.568	52.555	293.7	291.4	291.1	0.0
35	50.80	0.00	3.50	51.535	51.561	52.593	293.7	291.4	291.0	0.0
36	50.80	0.00	4.00	51.535	51.533	52.563	293.8	291.4	291.0	0.0
37	50.80	0.00	4.50	51.535	51.416	52.479	293.8	291.4	291.1	0.0
38	50.80	0.00	5.00	51.535	51.276	52.367	293.7	291.4	291.3	0.0
39	50.80	0.00	5.50	51.535	50.967	52.055	293.7	291.4	291.6	0.0
40	50.80	0.00	6.00	51.535	50.475	51.481	293.7	291.5	292.2	0.0
41	50.80	0.00	6.50	51.535	49.721	50.917	293.7	291.5	292.6	0.0
42	50.80	0.00	7.00	51.535	48.833	49.903	293.7	291.5	293.0	0.0
43	50.80	0.00	7.50	51.535	47.591	48.726	293.6	291.4	293.4	0.0
44	50.80	0.00	8.00	51.535	46.240	47.309	293.6	291.4	293.8	0.0
45	50.80	0.00	8.50	51.535	44.720	45.764	294.1	291.4	294.0	0.0
46	50.80	0.00	9.00	51.535	42.807	43.769	294.8	291.4	294.2	0.0
47	50.80	0.00	9.50	51.535	40.915	41.891	295.5	291.4	294.2	0.0
48	50.80	0.00	10.00	51.535	38.710	39.746	295.9	291.5	293.8	0.0
49	50.80	0.00	10.50	51.535	36.617	37.572	296.1	291.5	293.6	0.0
50	50.80	0.00	11.00	51.535	34.408	35.431	296.1	291.5	292.9	0.0
51	50.80	0.00	11.50	51.535	32.170	33.134	295.9	291.5	292.6	0.0
52	50.80	0.00	12.00	51.535	30.107	31.083	295.7	291.5	291.8	0.0
53	50.80	0.00	12.50	51.535	27.891	28.804	295.7	291.5	291.1	0.0
54	50.80	0.00	13.00	51.535	25.683	26.553	295.3	291.5	290.3	0.0

File : TAB053S 8-SEP-88
8-SEP-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied to pressure data

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
X/D = 1, DRPCOR
** NOZZLE UPSIDE DOWN **

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.867 kPa

Mean gauged plenum pressure : 51.372 kPa
RMS gauged plenum pressure : 0.133 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
2	50.80	0.00	-13.00	51.372	1.221	1.875	299.2	293.4	294.2	0.0
3	50.80	0.00	-12.50	51.372	1.530	2.198	299.4	293.3	293.9	0.0
4	50.80	0.00	-12.00	51.372	2.310	2.998	299.4	293.1	293.0	0.0
5	50.80	0.00	-11.50	51.372	3.609	4.284	299.9	293.0	292.8	0.0
6	50.80	0.00	-11.00	51.372	5.294	5.953	300.3	293.0	292.7	0.0
7	50.80	0.00	-10.50	51.372	7.446	8.130	300.7	292.9	292.9	0.0
8	50.80	0.00	-10.00	51.372	10.002	10.727	300.9	292.9	292.7	0.0
9	50.80	0.00	-9.50	51.372	13.071	13.775	300.9	292.8	292.9	0.0
10	50.80	0.00	-9.00	51.372	16.613	17.289	301.1	292.8	293.3	0.0
11	50.80	0.00	-8.50	51.372	20.666	21.272	301.0	292.7	293.7	0.0
12	50.80	0.00	-8.00	51.372	25.170	25.907	300.6	292.6	294.1	0.0
13	50.80	0.00	-7.50	51.372	29.949	30.682	300.6	292.6	294.4	0.0

14	50.80	0.00	-7.00	51.372	34.871	35.567	300.4	292.5	294.9	0.0
15	50.80	0.00	-6.50	51.372	39.047	39.802	300.2	292.5	294.9	0.0
16	50.80	0.00	-6.00	51.372	42.918	43.679	300.2	292.5	294.8	0.0
17	50.80	0.00	-5.50	51.372	45.824	46.579	300.3	292.5	294.4	0.0
18	50.80	0.00	-5.00	51.372	47.835	48.571	299.8	292.6	294.2	0.0
19	50.80	0.00	-4.50	51.372	49.364	50.055	299.4	292.6	293.7	0.0
20	50.80	0.00	-4.00	51.372	50.160	50.847	299.3	292.5	293.4	0.0
21	50.80	0.00	-3.50	51.372	50.699	51.376	299.4	292.7	293.1	0.0
22	50.80	0.00	-3.00	51.372	51.032	51.717	299.0	292.7	292.9	0.0
23	50.80	0.00	-2.50	51.372	51.205	51.865	298.9	292.7	292.8	0.0
24	50.80	0.00	-2.00	51.372	51.280	51.952	299.0	292.6	292.6	0.0
25	50.80	0.00	-1.50	51.372	51.292	51.970	299.3	292.7	292.6	0.0
26	50.80	0.00	-1.00	51.372	51.323	52.011	299.4	292.7	292.5	0.0
27	50.80	0.00	-0.50	51.372	51.333	52.051	299.4	292.7	292.5	0.0
28	50.80	0.00	0.00	51.372	51.314	52.039	299.6	292.7	292.5	0.0
29	50.80	0.00	0.50	51.372	51.338	52.101	299.5	292.7	292.5	0.0
30	50.80	0.00	1.00	51.372	51.355	52.142	299.6	292.8	292.5	0.0
31	50.80	0.00	1.50	51.372	51.340	52.186	299.5	292.8	292.5	0.0
32	50.80	0.00	2.00	51.372	51.363	52.218	300.1	292.8	292.5	0.0
33	50.80	0.00	2.50	51.372	51.368	52.292	300.7	292.8	292.4	0.0
34	50.80	0.00	3.00	51.372	51.359	52.301	300.9	292.8	292.4	0.0
35	50.80	0.00	3.50	51.372	51.353	52.306	300.8	292.8	292.4	0.0
36	50.80	0.00	4.00	51.372	51.324	52.333	300.8	292.7	292.4	0.0
37	50.80	0.00	4.50	51.372	51.294	52.319	301.0	292.8	292.5	0.0
38	50.80	0.00	5.00	51.372	51.273	52.366	301.0	292.7	292.3	0.0
39	50.80	0.00	5.50	51.372	51.296	52.453	300.8	292.7	292.3	0.0
40	50.80	0.00	6.00	51.372	51.282	52.421	300.6	292.8	292.4	0.0
41	50.80	0.00	6.50	51.372	51.234	52.422	300.5	292.8	292.5	0.0
42	50.80	0.00	7.00	51.372	51.024	52.219	300.3	292.8	292.5	0.0
43	50.80	0.00	7.50	51.372	50.816	52.070	300.4	292.8	293.0	0.0
44	50.80	0.00	8.00	51.372	50.368	51.573	300.7	292.8	293.3	0.0
45	50.80	0.00	8.50	51.372	49.716	50.867	300.1	292.8	293.8	0.0
46	50.80	0.00	9.00	51.372	48.873	50.052	299.9	292.8	294.6	0.0
47	50.80	0.00	9.50	51.372	47.985	49.170	299.9	292.8	294.8	0.0
48	50.80	0.00	10.00	51.372	46.494	47.813	299.9	292.7	295.3	0.0
49	50.80	0.00	10.50	51.372	44.957	46.109	299.6	292.6	295.4	0.0
50	50.80	0.00	11.00	51.372	43.144	44.174	299.5	292.6	295.9	0.0
51	50.80	0.00	11.50	51.372	41.205	42.277	299.3	292.5	295.9	0.0
52	50.80	0.00	12.00	51.372	39.094	40.232	299.0	292.5	295.7	0.0
53	50.80	0.00	12.50	51.372	36.971	38.020	298.9	292.4	295.6	0.0
54	50.80	0.00	13.00	51.372	34.724	35.834	298.9	292.4	295.2	0.0

File : TAB048S 8-SEP-88
8-SEP-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied
to pressure data

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
X/D = 1, Kiel probe, DRPCOR

C1 : AXIAL
C2 : HORIZONTAL ,
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.138 kPa

Mean gauged plenum pressure : 51.485 kPa
RMS gauged plenum pressure : 0.056 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
2	50.80	0.00	-13.00	51.485	6.584	7.260	289.0	290.7	286.9	0.0
3	50.80	0.00	-12.50	51.485	7.697	8.357	289.0	290.7	287.0	0.0
4	50.80	0.00	-12.00	51.485	9.942	10.638	289.0	290.7	287.5	0.0
5	50.80	0.00	-11.50	51.485	13.034	13.723	289.0	290.7	288.2	0.0
6	50.80	0.00	-11.00	51.485	16.671	17.312	289.0	290.7	288.8	0.0
7	50.80	0.00	-10.50	51.485	20.696	21.374	289.0	290.7	289.6	0.0
8	50.80	0.00	-10.00	51.485	25.218	25.823	289.0	290.7	290.3	0.0
9	50.80	0.00	-9.50	51.485	29.804	30.477	289.0	290.6	291.1	0.0
10	50.80	0.00	-9.00	51.485	34.522	35.215	289.1	290.7	291.7	0.0
11	50.80	0.00	-8.50	51.485	39.144	39.694	289.1	290.6	291.9	0.0
12	50.80	0.00	-8.00	51.485	43.019	43.642	289.2	290.6	291.6	0.0
13	50.80	0.00	-7.50	51.485	46.047	46.573	289.2	290.7	291.4	0.0
14	50.80	0.00	-7.00	51.485	48.242	48.734	289.2	290.7	291.1	0.0

15	50.80	0.00	-6.50	51.485	49.613	50.087	289.2	290.7	290.9	0.0
16	50.80	0.00	-6.00	51.485	50.466	50.973	289.2	290.7	290.8	0.0
17	50.80	0.00	-5.50	51.485	50.895	51.458	289.3	290.7	290.6	0.0
18	50.80	0.00	-5.00	51.485	51.238	51.738	289.3	290.7	290.5	0.0
19	50.80	0.00	-4.50	51.485	51.404	51.899	289.4	290.7	290.4	0.0
20	50.80	0.00	-4.00	51.485	51.503	51.971	289.3	290.7	290.4	0.0
21	50.80	0.00	-3.50	51.485	51.534	52.071	289.3	290.7	290.4	0.0
22	50.80	0.00	-3.00	51.485	51.552	52.086	289.9	290.7	290.4	0.0
23	50.80	0.00	-2.50	51.485	51.565	52.127	290.4	290.7	290.5	0.0
24	50.80	0.00	-2.00	51.485	51.563	52.125	290.8	290.7	290.4	0.0
25	50.80	0.00	-1.50	51.485	51.570	52.167	290.9	290.7	290.4	0.0
26	50.80	0.00	-1.00	51.485	51.578	52.200	291.0	290.7	290.4	0.0
27	50.80	0.00	-0.50	51.485	51.580	52.252	291.1	290.7	290.4	0.0
28	50.80	0.00	0.00	51.485	51.583	52.273	290.7	290.7	290.4	0.0
29	50.80	0.00	0.50	51.485	51.583	52.350	290.1	290.7	290.4	0.0
30	50.80	0.00	1.00	51.485	51.602	52.364	289.8	290.7	290.4	0.0
31	50.80	0.00	1.50	51.485	51.589	52.388	289.8	290.7	290.2	0.0
32	50.80	0.00	2.00	51.485	51.583	52.439	289.7	290.7	290.1	0.0
33	50.80	0.00	2.50	51.485	51.562	52.425	289.7	290.7	290.0	0.0
34	50.80	0.00	3.00	51.485	51.542	52.467	289.7	290.7	290.0	0.0
35	50.80	0.00	3.50	51.485	51.541	52.485	289.7	290.7	289.8	0.0
36	50.80	0.00	4.00	51.485	51.502	52.496	289.7	290.7	289.8	0.0
37	50.80	0.00	4.50	51.485	51.419	52.422	289.7	290.7	289.8	0.0
38	50.80	0.00	5.00	51.485	51.252	52.236	289.8	290.7	290.0	0.0
39	50.80	0.00	5.50	51.485	50.894	51.925	289.8	290.7	290.1	0.0
40	50.80	0.00	6.00	51.485	50.390	51.339	289.9	290.7	290.4	0.0
41	50.80	0.00	6.50	51.485	49.721	50.685	289.9	290.7	290.7	0.0
42	50.80	0.00	7.00	51.485	48.719	49.730	289.9	290.7	291.0	0.0
43	50.80	0.00	7.50	51.485	47.504	48.510	289.9	290.7	291.4	0.0
44	50.80	0.00	8.00	51.485	46.216	47.180	290.0	290.8	291.6	0.0
45	50.80	0.00	8.50	51.485	44.632	45.692	290.0	290.7	291.7	0.0
46	50.80	0.00	9.00	51.485	42.930	43.799	290.0	290.8	291.8	0.0
47	50.80	0.00	9.50	51.485	40.926	41.890	290.0	290.8	291.5	0.0
48	50.80	0.00	10.00	51.485	38.951	39.958	290.0	290.8	291.3	0.0
49	50.80	0.00	10.50	51.485	36.824	37.813	290.1	290.8	290.9	0.0
50	50.80	0.00	11.00	51.485	34.654	35.571	290.1	290.8	290.3	0.0
51	50.80	0.00	11.50	51.485	32.513	33.341	290.2	290.8	289.7	0.0
52	50.80	0.00	12.00	51.485	30.234	31.144	290.2	290.8	289.0	0.0
53	50.80	0.00	12.50	51.485	28.027	28.917	290.2	290.8	288.2	0.0
54	50.80	0.00	13.00	51.485	25.888	26.776	290.6	290.8	287.4	0.0

File : TAB519S 11-OCT-88
11-OCT-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied
to pressure data

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
KIEL WITH T/C, DRPCOR
X/D = 9

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.562 kPa

Mean gauged plenum pressure : 51.151 kPa
RMS gauged plenum pressure : 0.152 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
2	457.60	-60.00	0.00	51.151	0.801	0.012	295.3	291.2	293.1	0.0
3	457.60	-58.00	0.00	51.151	0.958	0.013	295.5	291.1	293.1	0.0
4	457.60	-56.00	0.00	51.151	1.366	0.012	295.8	291.0	293.0	0.0
5	457.60	-54.00	0.00	51.151	1.616	0.014	295.6	290.9	292.7	0.0
6	457.60	-52.00	0.00	51.151	2.017	0.017	295.6	290.9	292.5	0.0
7	457.60	-50.00	0.00	51.151	2.332	0.016	295.7	290.7	292.6	0.0
8	457.60	-48.00	0.00	51.151	2.581	0.017	295.7	290.7	292.1	0.0
9	457.60	-46.00	0.00	51.151	3.058	0.018	295.6	290.6	292.3	0.0
10	457.60	-44.00	0.00	51.151	3.903	0.018	295.9	290.7	292.5	0.0
11	457.60	-42.00	0.00	51.151	4.321	0.018	295.8	290.6	292.5	0.0
12	457.60	-40.00	0.00	51.151	5.263	0.023	295.7	290.5	292.5	0.0
13	457.60	-38.00	0.00	51.151	6.115	0.021	295.8	290.5	292.3	0.0

14	457.60	-36.00	0.00	51.151	6.952	0.026	295.6	290.5	292.7	0.0
15	457.60	-34.00	0.00	51.151	7.930	0.021	295.5	290.4	292.6	0.0
16	457.60	-32.00	0.00	51.151	9.024	0.026	295.4	290.3	292.4	0.0
17	457.60	-30.00	0.00	51.151	10.242	0.023	295.1	290.2	292.4	0.0
18	457.60	-28.00	0.00	51.151	11.476	0.024	295.0	290.2	292.4	0.0
19	457.60	-26.00	0.00	51.151	12.902	0.029	294.9	290.1	292.4	0.0
20	457.60	-24.00	0.00	51.151	14.363	0.027	294.8	290.0	292.7	0.0
21	457.60	-22.00	0.00	51.151	15.587	0.029	294.9	290.0	292.8	0.0
22	457.60	-20.00	0.00	51.151	17.188	0.030	294.9	289.9	293.1	0.0
23	457.60	-18.00	0.00	51.151	18.614	0.029	294.8	289.9	293.1	0.0
24	457.60	-16.00	0.00	51.151	20.170	0.027	294.8	289.9	293.1	0.0
25	457.60	-14.00	0.00	51.151	21.374	0.028	294.9	289.9	293.3	0.0
26	457.60	-12.00	0.00	51.151	22.723	0.030	294.8	289.9	293.4	0.0
27	457.60	-10.00	0.00	51.151	24.116	0.033	294.8	289.8	293.3	0.0
28	457.60	-8.00	0.00	51.151	25.602	0.034	294.7	289.8	293.3	0.0
29	457.60	-6.00	0.00	51.151	26.786	0.038	294.7	289.7	293.5	0.0
30	457.60	-4.00	0.00	51.151	27.401	0.039	294.7	289.7	293.3	0.0
31	457.60	-2.00	0.00	51.151	28.096	0.043	294.6	289.7	293.4	0.0
32	457.60	0.00	0.00	51.151	28.766	0.041	294.7	289.6	293.4	0.0
33	457.60	2.00	0.00	51.151	29.021	0.039	295.0	289.6	293.5	0.0
34	457.60	4.00	0.00	51.151	29.262	0.045	295.0	289.6	293.4	0.0
35	457.60	6.00	0.00	51.151	29.484	0.045	295.2	289.6	293.4	0.0
36	457.60	8.00	0.00	51.151	28.706	0.051	295.1	289.7	293.3	0.0
37	457.60	10.00	0.00	51.151	28.461	0.052	295.3	289.7	293.7	0.0
38	457.60	12.00	0.00	51.151	27.742	0.041	295.4	289.7	293.5	0.0
39	457.60	14.00	0.00	51.151	26.939	0.046	295.8	289.8	293.6	0.0
40	457.60	16.00	0.00	51.151	25.479	0.048	295.8	289.8	293.5	0.0
41	457.60	18.00	0.00	51.151	24.204	0.046	295.6	289.8	293.2	0.0
42	457.60	20.00	0.00	51.151	23.348	0.046	295.7	289.9	293.1	0.0
43	457.60	22.00	0.00	51.151	21.472	0.045	295.8	289.9	292.8	0.0
44	457.60	24.00	0.00	51.151	20.041	0.045	295.7	289.9	292.9	0.0
45	457.60	26.00	0.00	51.151	18.336	0.044	295.7	289.8	292.8	0.0
46	457.60	28.00	0.00	51.151	17.338	0.041	295.7	289.9	292.5	0.0
47	457.60	30.00	0.00	51.151	15.532	0.044	295.5	289.8	292.5	0.0
48	457.60	32.00	0.00	51.151	14.286	0.039	295.8	289.7	292.1	0.0
49	457.60	34.00	0.00	51.151	12.758	0.036	295.9	289.7	292.4	0.0
50	457.60	36.00	0.00	51.151	11.772	0.036	295.9	289.8	292.0	0.0
51	457.60	38.00	0.00	51.151	10.224	0.035	295.8	289.8	291.7	0.0
52	457.60	40.00	0.00	51.151	9.237	0.033	296.0	289.8	291.9	0.0
53	457.60	42.00	0.00	51.151	8.140	0.032	296.0	289.7	292.0	0.0
54	457.60	44.00	0.00	51.151	7.105	0.029	296.3	289.7	291.9	0.0
55	457.60	46.00	0.00	51.151	5.911	0.029	296.2	289.7	291.7	0.0
56	457.60	48.00	0.00	51.151	5.316	0.031	296.1	289.7	291.6	0.0
57	457.60	50.00	0.00	51.151	4.718	0.027	296.2	289.7	292.0	0.0
58	457.60	52.00	0.00	51.151	3.949	0.025	296.5	289.7	291.9	0.0
59	457.60	54.00	0.00	51.151	3.521	0.020	297.2	289.7	292.3	0.0
60	457.60	56.00	0.00	51.151	2.894	0.016	297.8	289.6	292.1	0.0
61	457.60	58.00	0.00	51.151	2.483	0.018	297.3	289.6	292.2	0.0
62	457.60	60.00	0.00	51.151	2.182	0.017	297.4	289.5	291.9	0.0

File : TAB520S 12-OCT-88
12-OCT-88

Reduced experimental data file
Linear smoothing for plenum total pressure fluctuations applied to pressure data

HORIZONTAL PROFILE

Unexcited, unheated jet, Mj = 0.8
BACKED B/L PROBE
X/D = 9, DRPTAB

C1 : AXIAL
C2 : HORIZONTAL
C3 : VERTICAL
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum temperature
T3 : Probe temperature
A1 :

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.273 kPa

Mean gauged plenum pressure : 51.411 kPa
RMS gauged plenum pressure : 0.100 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	A1
3	457.60	-58.00	0.00	51.411	0.692	0.016	283.4	284.5	284.1	0.0
4	457.60	-56.00	0.00	51.411	0.930	0.017	283.4	284.9	284.2	0.0
5	457.60	-54.00	0.00	51.411	1.109	0.022	283.4	285.3	284.0	0.0
6	457.60	-52.00	0.00	51.411	1.373	0.021	283.4	285.5	284.1	0.0
7	457.60	-50.00	0.00	51.411	1.764	0.024	283.4	285.8	284.0	0.0
8	457.60	-48.00	0.00	51.411	2.183	0.023	283.3	286.0	284.0	0.0
9	457.60	-46.00	0.00	51.411	2.740	0.033	283.2	286.1	284.0	0.0
10	457.60	-44.00	0.00	51.411	3.144	0.030	283.3	286.3	283.9	0.0
11	457.60	-42.00	0.00	51.411	3.868	0.035	283.3	286.4	283.8	0.0
12	457.60	-40.00	0.00	51.411	4.473	0.045	283.4	286.5	284.0	0.0
13	457.60	-38.00	0.00	51.411	5.438	0.045	283.3	286.6	283.9	0.0
14	457.60	-36.00	0.00	51.411	6.304	0.045	283.3	286.6	283.9	0.0

15	457.60	-34.00	0.00	51.411	7.207	0.052	283.3	286.7	283.9	0.0
16	457.60	-32.00	0.00	51.411	8.243	0.053	283.3	286.8	283.9	0.0
17	457.60	-30.00	0.00	51.411	9.473	0.057	283.3	286.8	284.1	0.0
18	457.60	-28.00	0.00	51.411	10.675	0.054	283.3	286.8	283.9	0.0
19	457.60	-26.00	0.00	51.411	11.978	0.052	283.4	286.8	284.1	0.0
20	457.60	-24.00	0.00	51.411	13.482	0.052	283.4	286.9	284.0	0.0
21	457.60	-22.00	0.00	51.411	14.864	0.055	283.4	286.9	283.9	0.0
22	457.60	-20.00	0.00	51.411	16.450	0.058	283.4	286.9	284.0	0.0
23	457.60	-18.00	0.00	51.411	17.935	0.060	283.4	287.0	284.2	0.0
24	457.60	-16.00	0.00	51.411	19.469	0.058	283.4	287.0	284.0	0.0
25	457.60	-14.00	0.00	51.411	20.891	0.056	283.4	287.0	284.0	0.0
26	457.60	-12.00	0.00	51.411	22.165	0.052	283.4	287.0	284.3	0.0
27	457.60	-10.00	0.00	51.411	23.539	0.052	283.4	287.0	284.3	0.0
28	457.60	-8.00	0.00	51.411	24.929	0.048	283.4	287.0	284.0	0.0
29	457.60	-6.00	0.00	51.411	25.894	0.051	283.5	287.1	284.1	0.0
30	457.60	-4.00	0.00	51.411	26.753	0.056	283.4	287.1	284.2	0.0
31	457.60	-2.00	0.00	51.411	27.497	0.051	283.4	287.1	284.1	0.0
32	457.60	0.00	0.00	51.411	27.912	0.048	283.4	287.1	284.1	0.0
33	457.60	2.00	0.00	51.411	28.328	0.051	283.4	287.1	284.1	0.0
34	457.60	4.00	0.00	51.411	28.110	0.051	283.4	287.1	283.9	0.0
35	457.60	6.00	0.00	51.411	27.831	0.053	283.4	287.2	284.1	0.0
36	457.60	8.00	0.00	51.411	27.099	0.051	283.5	287.1	284.0	0.0
37	457.60	10.00	0.00	51.411	26.193	0.049	283.5	287.2	284.2	0.0
38	457.60	12.00	0.00	51.411	25.227	0.050	283.5	287.2	284.2	0.0
39	457.60	14.00	0.00	51.411	24.132	0.048	283.4	287.2	284.2	0.0
40	457.60	16.00	0.00	51.411	22.706	0.048	283.4	287.2	284.2	0.0
41	457.60	18.00	0.00	51.411	21.379	0.042	283.5	287.3	284.0	0.0
42	457.60	20.00	0.00	51.411	19.913	0.042	283.5	287.3	284.1	0.0
43	457.60	22.00	0.00	51.411	18.528	0.046	283.6	287.3	284.1	0.0
44	457.60	24.00	0.00	51.411	17.061	0.046	283.6	287.4	284.3	0.0
45	457.60	26.00	0.00	51.411	15.640	0.041	283.6	287.4	284.2	0.0
46	457.60	28.00	0.00	51.411	14.199	0.044	283.6	287.4	284.1	0.0
47	457.60	30.00	0.00	51.411	12.622	0.042	283.6	287.4	284.3	0.0
48	457.60	32.00	0.00	51.411	11.442	0.041	283.7	287.4	284.2	0.0
49	457.60	34.00	0.00	51.411	10.243	0.038	283.7	287.4	284.2	0.0
50	457.60	36.00	0.00	51.411	9.115	0.038	283.8	287.4	284.2	0.0
51	457.60	38.00	0.00	51.411	7.926	0.038	283.8	287.4	284.3	0.0
52	457.60	40.00	0.00	51.411	7.064	0.037	283.8	287.4	284.2	0.0
53	457.60	42.00	0.00	51.411	6.116	0.035	283.8	287.4	284.3	0.0
54	457.60	44.00	0.00	51.411	5.337	0.034	283.8	287.5	284.3	0.0
55	457.60	46.00	0.00	51.411	4.560	0.034	283.8	287.4	284.4	0.0
56	457.60	48.00	0.00	51.411	3.925	0.035	283.9	287.5	284.3	0.0
57	457.60	50.00	0.00	51.411	3.336	0.031	283.9	287.4	284.4	0.0
58	457.60	52.00	0.00	51.411	2.810	0.029	283.9	287.5	284.3	0.0
59	457.60	54.00	0.00	51.411	2.377	0.029	283.9	287.4	284.4	0.0
60	457.60	56.00	0.00	51.411	1.980	0.026	283.9	287.4	284.3	0.0
61	457.60	58.00	0.00	51.411	1.684	0.021	284.0	287.4	284.4	0.0
62	457.60	60.00	0.00	51.411	1.368	0.020	284.1	287.4	284.5	0.0

File : TAB135T

29-OCT-88
29-OCT-88

Reduced experimental data file

VERTICAL PROFILE

Unexcited, unheated jet, Mj = 0.8
DRPTAB

C1 : X/D = 1
C2 : ZERO
C3 : VARIABLE
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 98.612 kPa

Mean gauged plenum pressure : 51.202 kPa
RMS gauged plenum pressure : 0.094 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
2	50.80	0.00	-20.00	51.427	0.031	0.020	290.8	286.2	288.5	288.5
3	50.80	0.00	-19.50	51.349	0.018	0.024	290.6	286.2	289.6	289.6
4	50.80	0.00	-19.00	51.313	0.014	0.025	290.6	286.2	289.6	289.6
5	50.80	0.00	-18.50	51.279	0.013	0.023	290.7	286.3	289.6	289.6
6	50.80	0.00	-18.00	51.241	0.013	0.022	290.6	286.3	289.1	289.1
7	50.80	0.00	-17.50	51.233	0.014	0.025	290.6	286.4	288.9	288.9
8	50.80	0.00	-17.00	51.223	0.025	0.027	290.7	286.4	288.5	288.5
9	50.80	0.00	-16.50	51.262	0.118	0.025	290.8	286.4	288.3	288.2
10	50.80	0.00	-16.00	51.270	0.292	0.032	290.7	286.4	287.6	287.4
11	50.80	0.00	-15.50	51.263	0.683	0.033	290.7	286.4	287.2	286.6
12	50.80	0.00	-15.00	51.253	1.334	0.034	290.7	286.5	286.2	285.1
13	50.80	0.00	-14.50	51.264	2.183	0.030	290.7	286.5	285.5	283.7
14	50.80	0.00	-14.00	51.270	3.436	0.031	290.8	286.6	284.9	282.1
15	50.80	0.00	-13.50	51.270	4.944	0.033	290.7	286.5	284.4	280.4
16	50.80	0.00	-13.00	51.252	6.982	0.036	290.9	286.6	284.3	278.8

17	50.80	0.00	-12.50	51.253	9.530	0.037	290.9	286.6	283.7	276.3
18	50.80	0.00	-12.00	51.229	12.595	0.039	291.1	286.6	283.5	273.9
19	50.80	0.00	-11.50	51.248	16.045	0.037	291.7	286.6	283.6	271.6
20	50.80	0.00	-11.00	51.246	19.753	0.036	292.0	286.6	283.3	268.9
21	50.80	0.00	-10.50	51.232	24.462	0.031	292.2	286.7	283.3	265.9
22	50.80	0.00	-10.00	51.220	29.695	0.037	292.4	286.7	283.2	262.6
23	50.80	0.00	-9.50	51.224	34.561	0.035	292.6	286.7	283.1	259.8
24	50.80	0.00	-9.00	51.218	39.377	0.032	292.4	286.7	282.8	256.9
25	50.80	0.00	-8.50	51.204	43.189	0.036	291.9	286.8	282.5	254.6
26	50.80	0.00	-8.00	51.225	46.355	0.036	291.6	286.7	282.0	252.5
27	50.80	0.00	-7.50	51.197	48.412	0.035	291.4	286.7	281.6	251.2
28	50.80	0.00	-7.00	51.199	49.728	0.036	291.5	286.8	281.1	250.1
29	50.80	0.00	-6.50	51.189	50.432	0.035	291.6	286.8	280.7	249.4
30	50.80	0.00	-6.00	51.200	50.823	0.037	291.6	286.8	280.5	249.0
31	50.80	0.00	-5.50	51.186	51.029	0.034	291.7	286.8	280.2	248.6
32	50.80	0.00	-5.00	51.192	51.152	0.037	291.6	286.8	280.1	248.5
33	50.80	0.00	-4.50	51.181	51.228	0.032	291.7	286.8	280.0	248.4
34	50.80	0.00	-4.00	51.184	51.221	0.034	291.8	286.8	279.9	248.3
35	50.80	0.00	-3.50	51.171	51.232	0.037	291.7	286.9	279.9	248.3
36	50.80	0.00	-3.00	51.164	51.219	0.035	291.8	286.9	279.9	248.3
37	50.80	0.00	-2.50	51.175	51.235	0.033	292.0	286.9	279.9	248.3
38	50.80	0.00	-2.00	51.187	51.238	0.034	291.9	286.9	279.9	248.3
39	50.80	0.00	-1.50	51.171	51.238	0.037	291.9	286.9	279.9	248.3
40	50.80	0.00	-1.00	51.179	51.229	0.034	291.8	286.9	279.9	248.3
41	50.80	0.00	-0.50	51.128	51.195	0.029	292.0	286.9	279.9	248.3
42	50.80	0.00	0.00	51.122	51.171	0.029	292.1	286.9	279.9	248.3
43	50.80	0.00	0.50	51.101	51.158	0.026	292.3	286.9	279.9	248.3
44	50.80	0.00	1.00	51.098	51.151	0.027	292.3	286.9	279.8	248.2
45	50.80	0.00	1.50	51.109	51.152	0.031	292.4	286.9	279.8	248.2
46	50.80	0.00	2.00	51.106	51.142	0.030	292.2	286.9	279.8	248.2
47	50.80	0.00	2.50	51.092	51.130	0.028	292.2	286.9	279.7	248.2
48	50.80	0.00	3.00	51.068	51.105	0.030	292.1	286.9	279.6	248.1
49	50.80	0.00	3.50	51.084	51.097	0.031	292.0	286.9	279.6	248.1
50	50.80	0.00	4.00	51.042	51.021	0.027	292.1	286.9	279.6	248.1
51	50.80	0.00	4.50	51.039	50.907	0.026	292.2	286.9	279.7	248.3
52	50.80	0.00	5.00	51.060	50.679	0.027	292.1	286.9	280.0	248.6

File : TAB136T

1-NOV-88
1-NOV-88

Reduced experimental data file

DIAGONAL PROFILE

Unexcited, unheated jet, Mj = 0.8
-14 DEG, DRPTAB

C1 : X/D = 1
C2 : DIAGONAL
C3 : 0
P1 : Dif. btw. plnm. tot. & amb. press.
P2 : Dif. btw. prb. tot. & amb. press.
P3 : Dif. btw. prb. tot. & stat. press.
T1 : Ambient temperature
T2 : Plenum TOTAL TEMPERATURE
T3 : Probe TOTAL TEMPERATURE
T4 : PROBE STATIC TEMPERATURE

Transducer names :

P1 ... P305D/1 - 32 psi
P2 ... P305D/2 - 32 psi
P3 ... P305D/1 - 20 psi

Mean absolute ambient press. : 97.901 kPa

Mean gauged plenum pressure : 51.272 kPa
RMS gauged plenum pressure : 0.060 kPa

Test pt.	C1 mm	C2 mm	C3 mm	P1 kPa	P2 kPa	P3 kPa	T1 K	T2 K	T3 K	T4 K
1	50.80	0.00	0.00	51.211	51.384	0.016	284.0	284.5	277.4	245.8
2	50.80	-60.00	0.00	51.196	0.031	0.017	284.0	284.6	283.6	283.6
3	50.80	-58.00	0.00	51.199	0.013	0.023	283.9	284.7	283.5	283.5
4	50.80	-56.00	0.00	51.222	0.013	0.026	283.9	284.8	283.5	283.5
5	50.80	-54.00	0.00	51.234	0.009	0.028	284.0	284.8	283.3	283.3
6	50.80	-52.00	0.00	51.245	0.009	0.033	284.1	284.9	282.9	282.9
7	50.80	-50.00	0.00	51.279	0.009	0.034	284.3	285.0	282.2	282.2
8	50.80	-48.00	0.00	51.281	0.454	0.039	284.3	285.1	280.6	280.2
9	50.80	-46.00	0.00	51.300	6.064	0.040	284.2	285.1	275.7	271.0
10	50.80	-44.00	0.00	51.318	15.562	0.044	284.3	285.1	277.4	265.9
11	50.80	-42.00	0.00	51.306	29.140	0.044	284.3	285.1	280.6	260.4
12	50.80	-40.00	0.00	51.335	36.086	0.047	284.3	285.2	281.8	257.6
13	50.80	-38.00	0.00	51.352	39.111	0.048	284.3	285.2	282.4	256.5
14	50.80	-36.00	0.00	51.335	39.774	0.049	284.3	285.2	282.0	255.8
15	50.80	-34.00	0.00	51.297	44.256	0.053	284.3	285.3	281.3	252.8

16	50.80	-32.00	0.00	51.290	48.582	0.053	284.3	285.3	279.8	249.3
17	50.80	-30.00	0.00	51.293	50.461	0.055	284.3	285.3	278.9	247.6
18	50.80	-28.00	0.00	51.284	50.806	0.055	284.2	285.3	278.4	247.0
19	50.80	-26.00	0.00	51.283	51.229	0.062	284.0	285.2	278.0	246.4
20	50.80	-24.00	0.00	51.274	51.357	0.059	284.0	285.2	278.0	246.4
21	50.80	-22.00	0.00	51.267	51.423	0.061	284.0	285.2	278.0	246.3
22	50.80	-20.00	0.00	51.256	51.426	0.060	284.1	285.3	278.1	246.4
23	50.80	-18.00	0.00	51.270	51.436	0.063	284.3	285.3	278.1	246.4
24	50.80	-16.00	0.00	51.254	51.432	0.068	284.4	285.3	278.1	246.4
25	50.80	-14.00	0.00	51.264	51.435	0.069	284.4	285.3	278.1	246.4
26	50.80	-12.00	0.00	51.288	51.471	0.067	284.5	285.3	278.1	246.4
27	50.80	-10.00	0.00	51.313	51.492	0.071	284.7	285.3	278.1	246.4
28	50.80	-8.00	0.00	51.345	51.512	0.073	284.8	285.4	278.2	246.5
29	50.80	-6.00	0.00	51.343	51.523	0.075	284.8	285.4	278.2	246.5
30	50.80	-4.00	0.00	51.361	51.544	0.079	284.9	285.4	278.2	246.4
31	50.80	-2.00	0.00	51.364	51.542	0.076	284.9	285.4	278.2	246.4
32	50.80	0.00	0.00	51.353	51.522	0.075	285.0	285.4	278.3	246.5
33	50.80	2.00	0.00	51.339	51.526	0.078	285.0	285.5	278.4	246.6
34	50.80	4.00	0.00	51.326	51.503	0.076	285.1	285.5	278.4	246.6
35	50.80	6.00	0.00	51.297	51.469	0.074	285.2	285.5	278.5	246.8
36	50.80	8.00	0.00	51.255	51.423	0.074	285.3	285.5	278.5	246.8
37	50.80	10.00	0.00	51.226	51.407	0.076	285.4	285.5	278.4	246.7
38	50.80	12.00	0.00	51.225	51.380	0.071	285.4	285.5	278.5	246.8
39	50.80	14.00	0.00	51.188	51.346	0.072	285.4	285.5	278.5	246.8
40	50.80	16.00	0.00	51.173	51.324	0.077	285.4	285.5	278.5	246.8
41	50.80	18.00	0.00	51.154	51.295	0.074	285.6	285.5	278.6	246.9
42	50.80	20.00	0.00	51.149	51.266	0.070	285.7	285.6	278.7	247.0
43	50.80	0.00	0.00	51.137	51.295	0.066	285.8	285.5	278.4	246.7

APPENDIX

Index

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INDEX

DATA SET	CONFIGURATION	X/D_e	T_j/T_o	M_j	PROFILE	PAGE
TAB048S	0 - 0 (Baseline)	1	1	0.8	V	510
TAB049S	0 - 0 (Baseline)	1	1	0.8	V	506
TAB053S	0 - 0 (Baseline)	1	1	0.8	V	508
TAB058S	4" Pipe, Baseline	1	1	0.2	V	486
TAB125T	0 - 0 (Baseline)	2	1	0.8	V	60
TAB126T	0 - 0 (Baseline)	2	1	0.8	H	58
TAB127T	0 - 0 (Baseline)	5	1	0.8	V	54
TAB128T	0 - 0 (Baseline)	5	1	0.8	H	52
TAB129T	0 - 0 (Baseline)	7	1	0.8	V	48
TAB130T	0 - 0 (Baseline)	7	1	0.8	H	46
TAB133T	0 - 0 (Baseline)	11	1	0.8	V	36
TAB134T	0 - 0 (Baseline)	11	1	0.8	H	34
TAB135T	0 - 0 (Baseline)	1	1	0.8	V	64, 516
TAB136T	0 - 0 (Baseline)	1	1	0.8	-14°	66, 518
TAB137T	0 - 0 (Baseline)	2	1	0.8	-14°	62
TAB143T	0 - 0	11	1	0.8	-14°	38
TAB144T	0 - 0	7	1	0.8	-14°	50
TAB145T	0 - 0	13	1	0.8	-14°	32
TAB146T	0 - 0	9	1	0.8	V	42, 96
TAB147T	0 - 0	9	1	0.8	H	40, 94
TAB148T	I - B	9	1	0.8	V	112, 136
TAB149T	I - B	9	1	0.8	H	110, 344
TAB151T	II - A	9	1	0.8	H	134
TAB152T	II - A	9	1	0.8	V	136
TAB153T	IV - A	9	1	0.8	H	150
TAB154T	IV - A	9	1	0.8	V	152
TAB155T	III - B	9	1	0.8	H	126, 388
TAB156T	III - B	9	1	0.8	V	128, 390
TAB157T	I - A	9	1	0.8	H	102

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INDEX (CONT'D)

DATA SET	CONFIG.	X/D_e	T_j/T_o	M_j	PROFILE	PAGE
TAB158T	I - A	9	1	0.8	V	104
TAB159T	II - B	9	1	0.8	H	142
TAB160T	II - B	9	1	0.8	V	144
TAB161T	III - A	9	1	0.8	H	118
TAB162T	III - A	9	1	0.8	V	120
TAB163T	IV - B	9	1	0.8	H	158
TAB164T	IV - B	9	1	0.8	V	160
TAB165T	0 - 0	9	1	0.8	-14°	44, 98
TAB167T	I - B	9	1	0.8	-14°	114, 348
TAB168T	I - A	9	1	0.8	-14°	106
TAB169T	III - A	9	1	0.8	-14°	122
TAB170T	III - B	9	1	0.8	-14°	130, 392
TAB171T	II - A	9	1	0.8	-14°	138
TAB172T	IV - A	9	1	0.8	-14°	154
TAB173T	II - B	9	1	0.8	-14°	146
TAB174T	IV - B	9	1	0.8	-14°	162
TAB175T	0 - 0	9	1	0.8	+14°	100
TAB176T	I - A	9	1	0.8	+14°	108
TAB177T	III - A	9	1	0.8	+14°	124
TAB178T	II - A	9	1	0.8	+14°	140
TAB179T	IV - A	9	1	0.8	+14°	156
TAB180T	I - B	9	1	0.8	+14°	116, 350
TAB181T	III - B	9	1	0.8	+14°	132, 394
TAB182T	II - B	9	1	0.8	+14°	148
TAB183T	IV - B	9	1	0.8	+14°	164
TAB185T	0 - 0	9	1	1.15	H	88, 212
TAB187T	I - A	9	1	1.15	H	220
TAB189T	III - A	9	1	1.15	H	236
TAB191T	II - A	9	1	1.15	H	252

INDEX (CONT'D)

DATA SET	CONFIG.	X/D_e	T_j/T_o	M_j	PROFILE	PAGE
TAB193T	IV - A	9	1	1.15	H	268
TAB195T	I - B	9	1	1.15	V	230
TAB196T	I - B	9	1	1.15	H	228
TAB197T	III - B	9	1	1.15	V	246
TAB198T	III - B	9	1	1.15	H	244
TAB199T	II - B	9	1	1.15	V	262
TAB200T	II - B	9	1	1.15	H	260
TAB201T	IV - B	9	1	1.15	V	278
TAB202T	IV - B	9	1	1.15	H	276
TAB203T	0 - 0	9	1	1.15	V	90, 214
TAB204T	I - A	9	1	1.15	V	222
TAB205T	III - A	9	1	1.15	V	238
TAB206T	II - A	9	1	1.15	V	254
TAB207T	IV - A	9	1	1.15	V	270
TAB209T	0 - 0	9	1	1.15	-14°	216
TAB210T	I - A	9	1	1.15	-14°	224
TAB213T	I - B	9	1	1.15	-14°	232
TAB214T	III - B	9	1	1.15	-14°	248
TAB215T	III - A	9	1	1.15	-14°	240
TAB217T	IV - A	9	1	1.15	-14°	272
TAB218T	IV - B	9	1	1.15	-14°	280
TAB219T	II - B	9	1	1.15	-14°	264
TAB220T	II - A	9	1	1.15	-14°	256
TAB221T	0 - 0	9	1	1.15	+14°	218
TAB223T	I - A	9	1	1.15	+14°	226
TAB224T	III - A	9	1	1.15	+14°	242
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TAB232T	IV - B	9	1	1.15	+14°	282
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TAB234T	VI - A	9	1	1.15	+14°	290
TAB235T	VII - B	9	1	1.15	+14°	314
TAB236T	VI - B	9	1	1.15	+14°	298
TAB237T	VII - A	9	1	1.15	V	302
TAB238T	VII - A	9	1	1.15	H	300
TAB239T	VII - A	9	1	0.8	H	182
TAB240T	VII - A	9	1	0.8	V	184
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TAB243T	VI - A	9	1	1.15	H	284
TAB244T	VI - A	9	1	1.15	V	286
TAB246T	VII - B	9	1	1.15	V	310
TAB247T	VII - B	9	1	1.15	H	308
TAB248T	VII - B	9	1	0.8	H	190
TAB249T	VII - B	9	1	0.8	V	192
TAB250T	VI - B	9	1	1.15	V	294
TAB251T	VI - B	9	1	1.15	H	292
TAB252T	VI - B	9	1	0.8	H	174
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TAB276T	V - C	9	1	0.8	V	200
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